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Manda.

6257



# MANDA'S

POCKET  
GARDEN  
DICTIONARY

AND

## CATALOGUE

OF  
EVERYTHING

1896

PERTAINING  
TO

## HORTICULTURE

THE UNIVERSAL



HORTICULTURAL ESTABLISHMENT.

W. A. MANDA,

SOUTH ORANGE, N. J.



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# W. A. MANDA,

Horticultural Expert,

MERCHANT, GROWER, IMPORTER  
AND EXPORTER IN

Flower, Vegetable, and Grass Seeds,  
Greenhouse and Hardy Plants  
and Bulbs, Trees, Shrubs,  
. . and Vines. . .



Novelties a Specialty.



Landscape Architect,  
Horticultural Builder,  
Adviser and Valuer.

*Winner of over 500 Medals, Diplomas, and Money Prizes  
at all the leading Horticultural Exhibitions in America.*

## ACTIVE MEMBER OF

Massachusetts Horticultural Society,  
Pennsylvania Horticultural Society,  
Lenox Horticultural Society,  
New Jersey Horticultural Society,  
Society of American Florists,  
New York Florists' Club (Ex-President),  
Boston Gardeners' and Florists' Club,  
Philadelphia Florists' Club.

## HONORARY MEMBER

Minnesota Horticultural Society,  
Berkshire County Gardeners' and Florists' Club.

## FORMERLY

Curator Botanical Gardens of Harvard University,  
Cambridge, Mass.

Managing Partner PITCHER & MANDA  
(lately incorporated Stock Company).

## NOW

PROPRIETOR OF THE

Universal Horticultural Establishment,  
SOUTH ORANGE, N. J.

*Dear Reader:*

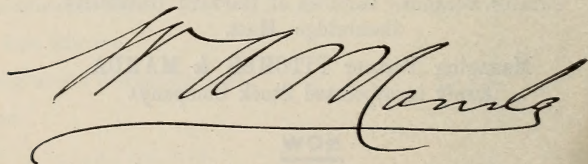
I have the pleasure of presenting you with my third edition of Pocket Garden Dictionary of everything pertaining to Horticulure, and at the same time to thank my numerous customers for their kind patronage and the numerous complimentary letters which I received during the past year, which, if printed, would fill a volume as large as this book. In preparing this book I have adhered to the principle originally laid out, and have made such improvements as suggested itself. I have not used any illustrations or gaudy and misleading description, as this book is sent to an intelligent public that appreciates brevity rather than misleading description and exaggerated pictures.

*The Novelties and Specialties* will be found in a separate catalogue, where all new or specially desirable plants, seeds, and bulbs are described.

It is now well known in the horticultural world that I have severed all active connection with the incorporated stock company of Pitcher & Manda, and that my establishment contains a choice and rare collection of everything needed to beautify your home and garden. As for references it will suffice to look on the opposite page, where I have selected a few of my customers which are well known as the leading horticultural patrons of America.

As before it will be my aim to supply only the very best of everything in the horticultural line, while the Landscape Department is under my personal supervision, thus giving my patrons the benefit of life-long experience and valuable advice.

Trusting to hear from you and your friends that are interested in gardening, and assuring you of my best efforts to give satisfaction.

A large, elegant handwritten signature in dark ink, reading "W. W. Manda". The signature features a long, sweeping horizontal flourish at the bottom.

P.S.—In the future this and the Bulb Catalogue will only be sent to customers or those applying for same.



# List of a few of my Patrons.

ARNOLD, HICKS, Esq.	-	-	-	-	N. Y. City.
ASTOR, HON., J. J.	-	-	-	-	Rhinebeck, N. Y.
BRAMHALL, GEO. W., Esq.	-	-	-	-	Orange.
BOIS, COL. H. M.	-	-	-	-	Scranton.
BLISS, W. A., Esq.	-	-	-	-	Bay Ridge.
BOTANIC GARDENS	-	-	-	-	Washington.
BENEDICT, JUDGE	-	-	-	-	Garretson.
BRIGHAM, WM. T., Esq.	-	-	-	-	Honolulu, H. I.
CUTTING, WM. BAYARD, Esq.	-	-	-	-	Oakdale.
COOK, H. H., Esq.	-	-	-	-	Lenox.
CUTTING, COL. WALTER	-	-	-	-	Pittsfield.
CHOATE, JOS. H., Esq.	-	-	-	-	Stockbridge.
CRANE, MRS. J. B.	-	-	-	-	Dalton.
CRANE, MRS. ZENAS	-	-	-	-	Dalton.
CRANE, MRS. J. MARSHALL	-	-	-	-	Dalton.
CROMWELL, F. Esq.	-	-	-	-	Bernardsville.
CONSTABLE, F. A., Esq.	-	-	-	-	Mamaroneck.
CATLIN, MRS. J.	-	-	-	-	Morristown.
CORNELL UNIVERSITY	-	-	-	-	Ithaca.
CONSTABLE, J. M., Esq.	-	-	-	-	Mamaroneck.
COLGATE, S. B., Esq.	-	-	-	-	Orange.
DISSEL, CHAS., Esq.	-	-	-	-	Wynnewood.
DINSDALE, G. K., Esq.	-	-	-	-	Yokohama, Japan.
EXECUTIVE MANSION	-	-	-	-	Washington.
EYERMAN, JNO., Esq.	-	-	-	-	Easton.
FURNESS, DR. W. H.	-	-	-	-	Wallingford.
GRAVES, HY., Esq.	-	-	-	-	Orange.
GOULD, MISS H. M.	-	-	-	-	Irvington, N. Y.
GINNA, S. A., Esq.	-	-	-	-	Plainfield.
HUNNEWELL, H. H., Esq.	-	-	-	-	Welsley.
HUNTINGTON, C. P., Esq.	-	-	-	-	Throggs Neck.
ISELIN, MISS	-	-	-	-	New Rochelle.
JESSUP, M. K., Esq.	-	-	-	-	Lenox.
KIMBALL, W. S., Esq.	-	-	-	-	Rochester.
KISSELL, GEO. E., Esq.	-	-	-	-	Morristown.
KENNEDY, H. O. R., Esq.	-	-	-	-	Hempstead.
LANIER, CHAS., Esq.	-	-	-	-	Lenox.
MCCURDY, R. M., Esq.	-	-	-	-	Morris Plains.
MANDEVILLE, DR. H. A.	-	-	-	-	So. Orange.
MORGAN, G. H., Esq.	-	-	-	-	Lenox.
MERRITT, CAPT. I. J.	-	-	-	-	Whitestone.
MAGEE, GEN.	-	-	-	-	Watkins.
MILLER, GEO. M., Esq.	-	-	-	-	Morristown.
MISSOURI BOTANICAL GARDEN,	-	-	-	-	St. Louis, Mo.
PAGE, H. A., Esq.	-	-	-	-	So. Orange.
POLLOCK, MRS. WM.	-	-	-	-	Pittsfield.
PARK, T. L., Esq.	-	-	-	-	Riverdale.
ROCKEFELLER, WM., Esq.	-	-	-	-	Tarrytown.
ROSEVELT, JNO. A., Esq.	-	-	-	-	Poughkeepsie.
ROEBLING, CHAS. G., Esq.	-	-	-	-	Trenton.
STOKES, ANSON PHELPS, Esq.	-	-	-	-	Lenox.
SLOAN, W. D., Esq.	-	-	-	-	Lenox.
SHEPPARD, MRS.	-	-	-	-	Scarborough.
SLOAN, JOHN, Esq.	-	-	-	-	Lenox.
SARGENT, MISS G. W.	-	-	-	-	Lee.
SCHLEGEL, GEO., Esq.	-	-	-	-	Bay Ridge.
STARIN, J. H., Esq.	-	-	-	-	New Rochelle.
TIFFANY, L. C., Esq.	-	-	-	-	N. Y.
THAYER, NATHANIEL, Esq.	-	-	-	-	So. Lancaster.
THAYER, E. V. R., Esq.	-	-	-	-	So. Lancaster.
TWOMBLY, H. MCK., Esq.,	-	-	-	-	Madison, N. J.
VANDERBILT, WM. K., Esq.	-	-	-	-	Oakdale.
VANDERBILT, G. W., Esq.	-	-	-	-	Biltmore.
WESTINGHOUSE, MRS. I.	-	-	-	-	Lee.
WASHINGTON PARK	-	-	-	-	Paterson.
WALCOTT, HON. E. O.	-	-	-	-	Denver.
WRIGHT, J. HOOD, Esq.	-	-	-	-	N. Y. City.
WEST CHICAGO PARK COMM.	-	-	-	-	Chicago.
WANAMAKER, JNO., Esq.	-	-	-	-	Jenkintown.

# Advice to Customers

---

PLEASE send in your orders early.

PLEASE induce your friends to send their orders with yours.

PLEASE give me ample time to fill your order carefully.

PLEASE add enough to cover postage if ordered by mail.

PLEASE write your name and address plainly.

PLEASE give mode of shipment; express is recommended.

PLEASE say if I can send other kinds for any out of stock.

PLEASE register all letters containing money.

PLEASE give me names of friends interested in horticulture.

• • • • •

WHAT I DO—Everything in my power to satisfy customers.

WHAT I DO—Give my customers the value of their money.

WHAT I DO—Offer best quality at lowest living prices.

WHAT I DO—Guarantee safe arrival of goods by express.

WHAT I DO—Rectify all just claims if made at once.

WHAT I DO—Strive to make America one big garden.

• • • • •

WHAT I DO NOT DO—Offer premiums or other nostrums.

WHAT I DO NOT DO—Guarantee crops. See "Disclaimer."

WHAT I DO NOT DO—Offer anything I have no faith in.

WHAT I DO NOT DO—Offer \$2 for \$1, because I could not do it honestly.

WHAT I DO NOT DO—Substitute, unless given the privilege.

WHAT I DO NOT DO—Guarantee goods sent by mail or freight.

WHAT I DO NOT DO—Take responsibility for money sent in unregistered letters.

WHAT I DO NOT DO—Not responsible for failure or shortage of crops, stock being exhausted when order is filled, or any accidents or delays in delivery beyond my control.



# LANDSCAPE GARDENING.

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This is a very important subject, and one that should not be neglected or overlooked, especially when building up a new place.

It means that, with a good plan, you can lay out your place to all the advantages it commands naturally, besides making and developing features where the location is disadvantageous. The roads and walks should be laid out, not only to be practical, but also to be in harmony with everything adjacent.

The proper location of trees and shrubs, and the selection of the best and most desirable kinds, are very important, for you are planting for the future, and as it takes years for a shrub or tree to grow, you should plant only such as would be desirable and valuable when grown up. The same applies to the location of vegetable, flower, fruit, rock or wild garden borders or flower beds.

The grouping or massing of either trees, shrubs, plants or bulbs, to produce certain effects at special seasons, either in foliage, flower or fruit, can only be successfully accomplished by having full knowledge of the habits and character of such plants.

Many unsightly corners and spaces could be not only hidden, but actually made beautiful. Thus, outside the general flower garden, barren rocks and stumps of trees can be covered with luxuriant growth.

Dry and sandy hills, where even grass refuses to grow, with proper selection can be made as beautiful as where the soil is rich, while marshes can be turned into handsome objects, and ponds covered with showy water plants. In one word, it is the knowledge of the habits of plants and their adaptability to certain locations that brings the desired success.

Locating and designing greenhouses, graperies, pits or frames on a place are also very important; so are the proper details in the construction of greenhouses, which are generally left to architects, who do not take into consideration the practical points of the greenhouse or conservatory.

Do not lay out your place without a landscape gardener any more than you would build a house without an architect; and you cannot do better than consult

Yours truly,

W. A. MANDA.

## FOR KIND OBSERVATION.

I am at all times pleased to hear from collectors or raisers of new varieties of plants, seeds or bulbs, with view of purchasing or exchanging same.

If you are in need of a good Gardener or Assistant, write to me; I can recommend you reliable men that I know personally.

If there is anything you want and do not see in this catalogue, send in your order for it just the same, and I will charge you the lowest market price.

In sending your orders, kindly name some variety I may substitute in case I am sold out of the one you ask for, or give me the privilege to put equally as good kinds. It will help me and give you just as good satisfaction.

Kindly recommend my house to your friends interested in horticulture. I will treat them liberally.

I can fill the longest order of any house in the United States.

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## VISITORS.

I am pleased at all times to receive visitors who are interested in plants of any description. Although I have not the largest place, yet I can pride myself that I carry the largest assortment of any house in the United States, including many rare plants, amongst which the celebrated George Washington Palm, which I purchased at the late Samuel Tilden sale, and sold same at auction for \$340.00, when I bought it again from the purchaser at an advanced price.

My nurseries are situated on the D., L. & W. R. R., adjoining the depot of South Orange. There are 83 trains daily, so visitors will only have a few minutes to wait, trains being so frequent. There are also electric cars from Newark to South Orange Depot, connecting with the Penn. R. R. and Jersey Central R. R. every ten minutes. Taking it all in all, it is the most accessible nursery in the country.



# SEEDS.

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This important department will have my careful attention, knowing the necessity of pure, good, and true seed. Instead of giving showy and highly colored packets, I will endeavor to put all that unnecessary expense into the seed, the article that the customer wishes to procure. It should never be the question with the buyer, "How cheap can I buy my seeds?" but "*Where can I procure the very best of seeds?*" A penny saved in the first instance may bring not only failure and disappointment, but labor wasted and a whole season lost. Yet a great deal depends on the season, soil and attention given to the crops, and therefore I wish to draw my customers' attention to the usual disclaimer: *That while I exercise the greatest care in having all seeds pure, true, and good, my seeds are sold without any warranty, expressed or implied, and without any responsibility in respect to crop.* If my seeds are not accepted on these terms, they must be returned at once.

## CHOICE VEGETABLE SEEDS.

This section will be found to contain all the best varieties for family use. They are arranged in alphabetical order and numbered, so that in ordering my customers can use simply the number, the quantity desired, and price. Please use the Order Sheet.

### ASPARAGUS.

**CULTURE.**—Sow the seeds in the spring, in drills about twelve inches apart. Thin out seedlings, only leaving the strongest. At one or two years transplant to permanent beds. The soil should be well trenched and manured. One ounce will sow about fifty feet of drill.

	Per pkt.	Oz.	¼ lb.
1. Colossal. The standard variety.	\$0 05	\$0 10	\$0 15
2. Palmetto. A desirable bright green variety.....	10	15	20
3. Barr's Mammoth. Very large, tender stalks.....	10	15	20
4. Argenteuil Giant. The best variety in cultivation.....	10	20	25

### ARTICHOKE.

**CULTURE.**—Sow in spring, in rich, sandy loam. Transplant in rows three feet apart and two feet apart in the rows. Cover up during winter. They reach maturity the second year.

	Per pkt.	Oz.
5. French Globe. Green. The best variety.	\$0 10	\$0 30
6. Large Paris. Purple. A selection of the French Globe.....	10	50
7. Jerusalem Artichoke. See Roots.		

**BEANS.****Dwarf, or Snap Beans.**

**CULTURE.**—In early May, in a warm and sheltered spot, sow in drills about two inches deep and eighteen inches apart. Sow every two weeks for a succession.

	Qt.	Pk.
8. <b>Best of All.</b> Early round, fleshy pods...	\$0 30	\$1 50
9. <b>Cleveland Improved Valentine.</b> Choice strain of this standard sort.....	40	2 25
10. <b>Dwarf Horticultural.</b> Late productive...	30	1 50
11. <b>Early Mohawk.</b> Long flat pods, hardy.	30	1 50
12. <b>Extra Early Refugee.</b> Two weeks earlier than the famous Refugee.....	30	1 50
13. <b>Extra Early Valentine.</b> The standard dwarf bean.....	30	1 50
14. <b>Long Yellow Six Weeks.</b> Fine sort....	25	1 25
15. <b>Round Yellow Six Weeks.</b> Early. A leading market sort.....	25	1 25
16. <b>Refugee, or 1000 to 1.</b> Very productive and tender late.....	30	1 50

*DWARF WAX BEANS.*

	Qt.	Pk.
17. <b>Currie's Rust Proof.</b> Free from rust...\$0 35	\$0 35	\$2 00
18. <b>Black-Eyed Wax.</b> Very productive.....	30	1 75
19. <b>Golden-Eyed Wax.</b> Free from rust, hardy	30	1 75
20. <b>Improved Golden Wax.</b> Very early, round golden pods.....	30	1 75
21. <b>Improved Prolific Black Wax.</b> Stringless and of fine quality.....	30	1 75
22. <b>Perfection Wax.</b> One of the best.....	35	2 00
23. <b>Refugee Wax.</b> The earliest wax bean in cultivation.....	35	2 00
24. <b>Wardwell's Kidney Wax.</b> Free from rust.	35	2 00

*WHITE BEANS.*

	Qt.	Pk.
25. <b>Burpee's Bush Lima</b> .....\$0 50	\$0 50	
26. <b>Dwarf Sieva.</b> (Henderson's Bush Lima.)	50	
27. <b>Dreer's Bush Lima.</b> Good variety.....	50	
28. <b>White Marrow.</b> Good either as string or shell bean.....	20	\$1 00
29. <b>White Valentine.</b> Round pod.....	40	2 00

*POLE OR RUNNING BEANS.*

**CULTURE.**—Sow as soon as the soil is warm and dry, about the end of May, in hills about four feet apart each way. Poles eight to ten feet long should be firmly set in the centre of the hills before putting in the seed.

	Qt.	Pk.
30. <b>Challenger.</b> One of the best.....\$0 40	\$0 40	\$2 25
31. <b>Dutch Case Knife.</b> Large.....	35	1 75
32. <b>Dreer's Improved Lima.</b> Thick and of fine quality.....	40	2 25
33. <b>Golden Cluster.</b> Early.....	40	2 25
34. <b>Horticultural, or Speckled Cranberry.</b> Fine.	30	1 75
35. <b>Jersey Extra Early.</b> Lima. Largely grown.....	40	2 25
36. <b>King of the Garden Lima.</b> Large in pod and bean.....	40	2 25
37. <b>Large White Lima.</b> One of the best, largely grown.....	40	2 25
38. <b>Small White Lima.</b> Small, good quality	40	2 00



**BEET.**

**CULTURE.**—Sow as early as possible in the spring and every two weeks after for a succession up to the first week in July. The soil should be light and well manured. Sow in drills about fifteen inches apart, and thin from four to six inches after they are well up.

	Pkt.	Oz.	¼ lb.
39. Bastian. Very early, light...	\$0 05	\$0 10	\$0 20
40. Dewing's Early. Of fine form and good flavor.....	5	10	20
41. Extra Early Egyptian. Very early and of good shape....	5	10	20
42. Extra Early Eclipse. Round-rooted, very early.....	5	10	20
43. Early Bassano. Early, flat, light color.....	5	10	20
44. Edmand Blood Turnip. Very fine and tender.....	5	10	20
45. Early Blood Turnip. Productive, good quality.....	5	10	20
46. Lentz Extra Early Turnip. Large, small top.....	5	10	25
47. Long Smooth Blood Red. Fine.	5	10	25

**BEETS—MANGEL-WURZEL, SUGAR, ETC.**

**CULTURE.**—Before planting, soil must be well plowed, eighteen inches or more. Sow in May in rows eighteen inches apart, and thin to eight inches in the rows.

	Oz.	¼ lb.
48. Champion Yellow Globe. Very fine sort...	\$0 10	\$0 15
49. Golden Tankard Mangel-Wurzel. Productive variety.....	10	15
50. Long Yellow Mangel-Wurzel. A good main crop.....	10	15
51. Mammoth Long Red Mangel-Wurzel. Very large, selected strain.....	10	15

**BROCCOLI.**

**CULTURE.**—Sow in early spring in shallow drills. Use plenty of manure. Plant two feet apart each way, and treat as you would cabbage.

	Pkt.	Oz.
52. Early White. Good early sort.....	\$0 15	\$0 30

**BRUSSELS SPROUTS.**

**CULTURE.**—Sow in May and transplant in July, about twelve inches apart in the rows, which should be eighteen inches to two feet apart.

	Pkt.	Oz.
53. Best French, or Roseberry. Good sort...	\$0 05	\$0 25
54. Improved Dwarf. Compact heads of fine quality, the best sort.....	5	25

**CABBAGE.**

**CULTURE.**—Soil for cabbage should be a heavy loam. On such soil, well manured, excellent crops are sure to be grown. Sow the seeds in hotbeds in February and

March, or it may be sown about the middle of September and wintered over in coldframes. Transplant in spring as soon as the ground can be worked, in rows about two feet apart, and eighteen inches apart in the row.

	Pkt.	Oz.
55. <b>American Drumhead.</b> Fine variety for general crop.....	\$0 05	\$0 25
56. <b>Drumhead Savoy.</b> A fine winter and spring sort.....	5	25
57. <b>Early Dwarf Savoy.</b> The earliest Savoy.	5	20
58. <b>Early Jersey Wakefield.</b> Most valuable for early planting.....	5	30
59. <b>Early York.</b> Early, heads solid.....	5	20
60. <b>Early Winnigstadt.</b> One of the best for general use.....	5	20
61. <b>Etampes.</b> Extra early, pointed heads..	5	20
62. <b>Fottler Brunswick.</b> Good solid heads, late.....	5	25
63. <b>Improved Early Summer.</b> Fine for second-early or late.....	5	30
64. <b>Premium Flat Dutch.</b> An excellent market variety.....	10	30
65. <b>Red Dutch.</b> A useful sort for pickling..	5	25
66. <b>Selected All-Seasons.</b> Fine for second-early or late.....	5	25
67. <b>Succession.</b> Large early summer variety, very reliable sort.....	5	20

## CARROT.

**CULTURE.**—For early crops sow as soon as the ground can be worked, and for late crops in May, in rows fifteen inches apart. Thin out young plants to five inches, and keep surface open by frequent use of the hoe.

	Pkt.	Oz.	¼ lb.
68. <b>Altringham.</b> Long scarlet; productive variety.....	\$0 05	\$0 15	\$0 30
69. <b>Champion Feeder.</b> See Novelty Catalogue.			
70. <b>Early Forcing.</b> Tender and fine; best for earlier or late..	5	15	30
71. <b>Half-Long Stump-Rooted.</b> Nantes strain; good market sort....	5	15	30
72. <b>Half-Long Stump-Rooted.</b> Chantenay strain.....	5	15	30
73. <b>Half-Long Stump-Rooted.</b> Carantan; coreless.....	5	15	35
74. <b>Half-Long Danvers.</b> Thick, of good quality.....	5	15	30
75. <b>James Intermediate.</b> A very productive half-long pointed.	5	15	30
76. <b>Long White.</b> Very large.....	5	10	25
77. <b>Long Scarlet Exhibition.</b> Fine large variety for general crop.	5	15	30
78. <b>Long Orange Imp.</b> Large grown.	5	10	25

## CARDOON.

**CULTURE.**—Sow in early spring in rows, where they are to remain, and thin them out to twelve inches apart. When full size, tie plants with matting, and earth up like celery to blanch.

	Pkt.	Oz.
79. <b>Large Solid.</b> Grows tall; leaves nearly free from spines.....	\$0 10	\$0 50

**CAULIFLOWER.**

**CULTURE.**—This is the same as cabbage, except that extra manure and plenty of water will pay upon this.

	Pkt.	Oz.
80. Extra Early Dwarf Erfurt. Very fine, short stem.....	\$0 50	\$6 00
81. Early Snowball. One of the best for forcing or open ground.....	25	3 00
82. Lenormand Short-Stem. Very large heads.....	10	75
83. Large Algiers. Popular sort, of enormous size.....	10	65

**CELERY.**

**CULTURE.**—Sow in open ground as soon as it is fit to work in April. In June and July plant in rows ten to twelve inches apart, and set six inches apart in the rows. About the middle of August we begin the "earthing up" necessary for blanching. After the soil has been drawn up against the plant, it is pressed around each plant by the hand firmly enough to keep the leaves in an upright position, using care to prevent the soil from falling into the heart of the plant.

	Pkt.	Oz.
84. Boston Market Dwarf. Solid and crisp..	\$0 05	\$0 25
85. Giant Gold Heart. A very good sort...	5	25
86. Giant Pascal. Excellent flavor and fine keeping variety.....	10	25
87. Golden Self-Blanching. On the style of White Plume, except that it is yellow.	10	50
88. Golden Dwarf. When blanched the heart is golden yellow. . . . .	10	30
89. Half-Dwarf. White variety, nutty flavor.	5	25
90. Improved Dwarf White. The best dwarf variety grown.....	5	25
91. Major Clark's Pink. Stiff, close habit, nutty flavor.....	5	25
92. Perfection Heartwell. The finest and largest winter variety.....	10	30
93. Rose Dwarf. Extra fine.....	5	25
94. White Plume. Naturally light foliage, largely grown.....	5	25

**CELERIAC, OR TURNIP-ROOTED CELERY.**

**CULTURE.**—Sow in April. Before planting out manure the ground well. Set the plants in shallow drills twelve inches apart, watering freely. As the growth advances, draw the earth to the plants, by which the knotty roots will be blanched and made tender.

	Pkt.	Oz.
95. Large Erfurt. A standard variety....	\$0 10	\$0 25
96. Large Smooth Prague. The finest variety yet introduced .....	10	30

**CHERVIL.**

**CULTURE.**—Sow at any time in the spring in shallow drills twelve inches apart. The seed of the Tuberous Chervil should be sown in the latter part of August, and treated like the carrot.

	Pkt.	Oz.
97. Curled. Finest variety.....	\$0 05	\$0 15
98. Tuberous-Rooted. This variety has edible roots.....	5	20



**CHICORY.**

**CULTURE.**—Sow in June. Transplant roots in autumn into sand in a cellar. Cultivate as recommended for carrots.

	Pkt.	Oz.	¼ lb.
99. Witloof. Extra large-leaved.	\$0 05	\$0 10	\$0 30
100. Large-Rooted Magdeburg.	5	10	25

**CORN-SALAD, OR FETTICUS.**

**CULTURE.**—Sow in the latter part of August in drills a quarter of an inch deep and eight to ten inches apart. Protect from frost by a light covering of litter.

	Pkt.	Oz.	¼ lb.
101. Large-Seeded. Standard sort.	\$0 05	\$0 10	\$0 25
102. Green-Cabbaging. Good variety.	5	10	30

**CRESS, OR PEPPERGRASS.**

**CULTURE.**—Sow early in spring, very thickly in shallow drills, and in short intervals for succession, as it soon runs to seed.

	Pkt.	Oz.	¼ lb.
103. Extra Curled. The best variety grown	\$0 05	\$0 10	\$0 20
104. American, or Land. Used as Water Cress in winter.	5	10	30

**WATER CRESS.**

**CULTURE.**—Sow in any moist situation, but will do better if sown by the edge of a running brook. The cress will be fit for gathering the second year.

	Pkt.	Oz.	¼ lb.
105. The Common Variety.	\$0 10	\$0 30	\$1 50
106. True Erfurt. Sweet flavor.	15	75	2 50

**CORN, SWEET OR SUGAR.**

**CULTURE.**—Plant in hills three feet apart each way, or in drills about four feet apart, and plants thinned out to eight or ten inches apart. Sow in succession every two weeks from the beginning of May until the middle of July, and by properly selecting the varieties a continuous supply can be had until killed by the frost.

*EXTRA EARLY.*

	Qt.	Pk.
107. Early White Cory. Early.	\$0 20	\$1 25
108. Early Cory. A very early variety	20	1 25
109. Marblehead. One of the earliest.	20	1 25
110. Minnesota. Resembling Marblehead in character.	20	1 25
111. Perry's Hybrid. Early, and large size.	20	1 25

*INTERMEDIATE.*

112. Amber Cream. Strong grower, large.	\$0 20	\$1 25
113. Crosby. Fair-sized, good quality.	20	1 25
114. Everbearing. A good cropper.	20	1 25
115. Moore Concord. Strong grower, large, and well-filled ears.	20	1 25
116. None Such. See Novelty Catalogue.		

*GENERAL CROP.*

117. Early Mammoth. Very productive.	\$0 20	1 25
118. Stowell's Evergreen. The most popular variety in cultivation.	20	1 25

*LATE.*

		Qt.	Pk.
119. Country Gentleman.	Very large ears...	\$0 35	\$1 75
120. Egyptian.	Large, and good quality..	20	1 25
121. Late Mammoth.	Large growth and ears.	20	1 25
122. Fodder Corn.	For stock.....	2 00	per bu.

**CUCUMBER.**

**CULTURE.**—Cucumbers succeed best in warm, sandy loam. They should not be planted in the open air until warm, settled weather; in the vicinity of New York, towards the end of May. Plant in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil in each a shovelful of well rotted manure. When all danger from insects is passed, thin out the plants, leaving four of the strongest.

		Pkt.	Oz.
123. Boston Pickling.	A fine variety.....	\$0 05	\$0 10
124. Early Frame.	Good for forcing.....	5	10
125. Early Russian.	Very early; short; valuable for pickling.....	5	10
126. Early White Spine.	Improved, early; good for pickling or table use.....	5	10
127. Everbearing.	Enormously productive; small; good as green pickler.....	5	10
128. Evergreen White Spine.	Very prolific..	5	10
129. Green Prolific Pickling.	Of uniform small size; valuable for pickling....	5	10
130. Improved White Spine Arlington.	One of the best for the table.....	5	10
131. Jersey Pickling.	A fine variety.....	5	10
132. Long Green.	Popular for pickling....	5	10
133. Nicholas Medium Green.	Fine for table.	5	10
134. Peerless.	A fine strain of White Spine.	5	10
135. Small Gherkin.	Very small burr, used for pickles.....	5	20
136. Tailby Hybrid.	Very long, fine for table use.....	5	10

**ENGLISH CUCUMBERS FOR FRAMES AND GREENHOUSE.**

**CULTURE.**—Sow seeds in October, November or December, according to the time they are wanted, in small pots. When grown to three leaves, plant out in a previously prepared hill of fibrous loam, lightened and enriched with old manure. Give plenty of air and water, as robustness of habit is especially valuable through winter. Keep a temperature of 65 degrees at night to 75 or 80 degrees with sunset.

		Pkt.
137. Duke of Edinburgh.	Large, long, smooth.....	\$0 25
138. Prescott Wonder.	Rapid-growing, prolific.....	25
139. Telegraph.	Free-bearing, extensively grown..	25

**DANDELION.**

**CULTURE.**—Sow in spring in drills half an inch deep and eighteen inches apart. Thin out the plants to twelve inches. They are perfectly hardy, and will be ready for use the following spring.

		Pkt.	Oz.	¼ lb.
140. French Garden.	The best....	\$0 05	\$0 20	\$0 50

**EGG PLANT.**

**CULTURE.**—Sow in hotbeds very early in spring, and transplant when two inches high into small pots. Plant out about the second week in June. If planted earlier,

they are liable to get checked by cool nights or wet weather. Set out plants three feet by two.

	Pkt.	Oz.
141. Black Pekin. Fruit blackish purple..	\$o 10	\$o 40
142. Improved New York Purple. The best..	10	50

### ENDIVE.

**CULTURE.**—Sow in June, July or August. Thin out to about twelve inches apart, and water well if dry weather. When the leaves get about eight inches long, blanch by gathering in the hand and tying together near the top with string or bast. This must be done when quite dry, or they will rot. When winter approaches, lift carefully with a ball of earth to each plant, and place close together in a frame or cellar. Keep dry and give plenty of air.

	Pkt.	Oz.
143. Broad-Leaved Green. A sweet variety for fall and winter.....	\$o 05	\$o 20
144. Green Curled Winter. The standard sort .....	5	20
145. Large Green Curled. Broad ribs, good for fall and winter.....	5	20
146. Moss Curled. Very fine variety.....	5	20

### GARLIC.

**CULTURE.**—Plant the sets six inches apart, in rows one foot apart. As soon as the leaves have turned the crop has matured, and may be harvested like the onion.

	Oz.	¼ lb.
147. Garlic Sets. For planting.....	\$o 05	\$o 10

### KALE, OR BORECOLE.

**CULTURE.**—Sow about the middle of April, covering thinly. Plant out in June in deep, well-manured ground, following the directions recommended for cultivating cabbage.

	Pkt.	Oz.
148. Tall Green Scotch. One of the best..	\$o 05	\$o 10
149. Tall Purple. Useful sort.....	5	20

### KOHL-RABI.

**CULTURE.**—Sow seed in June in rows eighteen inches apart. Thin out plants to about ten inches.

	Pkt.	Oz.
150. Early White Vienna. White ball, delicate flavor.....	\$o 10	\$o 30
151. Early Purple Vienna. Purple ball.....	10	35
152. Large White or Green. Very productive.	5	15

### LEEK.

**CULTURE.**—Sow very early in spring in drills one inch deep and one foot apart. Thin out to one inch. When six or seven inches high, transplant in rows fifteen inches apart and ten inches in the row. Plant as deep as possible, but do not cover the young centre leaves.

	Pkt.	Oz.
153. Large American Flag. The most desirable for family use.....	\$o 05	25
154. Large Rouen Winter. A standard sort.	5	25
155. Large Carentan. Fine variety, stout habit, hardy.....	5	25

### LETTUCE.

**CULTURE.**—For early crop sow in open ground in September, and transplant to coldframes as soon as



large enough to handle, being wintered over in the same way as early cabbage. Also sow in hotbeds in March, and set out in April.

	Pkt.	Oz.
156. All the Year Round. Good for summer and forcing.....	\$0 05	\$0 20
157. Black-Seeded Simpson. Standard sort.	5	20
158. Boston Market. One of the best for forcing.....	5	20
159. Blond Blockhead, or Sunset. Good summer variety.....	10	25
160. White-Seeded Simpson. Stands summer well .....	5	20
161. Drumhead, or Malta. One of the finest summer sorts.....	5	20
162. Early Curled Sicilia. Good variety...	5	20
163. Golden Stone-Head. Small but solid, good for forcing.....	5	20
164. Hanson. Heads large and of excellent quality.....	5	20
165. New York. A good variety.....	10	25
166. Paris White Cos. Fine for summer. Tie up for a few days to blanch.....	5	20
167. Perpignan Head. Finest summer sort.	5	20
168. Salamander. One of the best summer varieties.....	5	20
169. Trianon Self-Closing Cos. The finest Cos variety.....	5	20
170. Tennisball Black-Seeded. Very fine....	5	20
171. Tennisball White-Seeded. A good forcing sort.....	5	20
172. White Summer Cabbage. Close heads of good size.....	5	20

### MARTYNIA.

**CULTURE.**—Sow in May, three feet apart each way, or a few seeds may be sown in a hotbed and afterwards transplanted. Pick when small and tender for pickles.

	Pkt.	Oz.
173. Proboscidea.—For pickling.....	\$0 10	\$0 30

### MELON, MUSK.

**CULTURE.**—Cultivate in hills five to six feet apart each way, and composed of light, sandy, rich soil. When the ground has become warm and dry, plant eight to ten seeds in a hill. When up, and all danger of insects is past, thin out to three or four. When the vines have covered the ground, pinch the ends of the growing shoots to induce early fruiting.

	Pkt.	Oz.
174. Banquet. Fine table variety.....	\$0 05	\$0 15
175. Delmonico. Oval, large size, orange flesh.....	5	15
176. Emerald Gem. Small, extra early, orange flesh, sweet.....	5	15
177. Early Hackensack. Larger and earlier than "Hackensack".....	5	15
178. Golden Netted Gem. Very early, small and of fine flavor.....	5	15
179. Hackensack. Large, round, good quality, popular sort.....	5	15
180. Improved Christiana. Yellow flesh, excellent quality.....	5	15
181. Jenny Lind. Small, very early, good quality.....	5	15
182. Miller's Cream. Flesh a rich salmon, sweet and fine.....	5	15
183. Nutmeg. Named from its shape ; good for main crop.....	5	15

		Pkt.	Oz.
184. Prolific Nutmeg.	Sweet and early....	\$0 05	\$0 15
185. Pineapple.	Very sweet and high flavored.....	5	15
186. Perfection.	Good sort.....	5	15
187. Princess.	Extra fine.....	5	15
188. Surprise.	Very early sort.....	5	15
189. Skillman's Netted.	Fine flavor.....	5	15

*IMPORTED ENGLISH VARIETIES FOR  
FRAMES AND GREENHOUSE.*

	Pkt.
190. Invincible Scarlet.....	\$0 25
191. Monroe's Little Heath.....	25
192. Blenheim Orange.....	25
193. Gilbert's Green-Flesh ..	25
194. Lord Beaconsfield.....	25

*MELON, WATER.*

**CULTURE.**—Treat same as “Muskmelon,” except that they should be planted eight to ten feet apart, according to variety.

	Pkt.	Oz.
195. Dark Icing.	Very fine.....	\$0 05
196. Hungarian Honey.	Very early; fine for Northern latitudes.....	5
197. Ice Cream.	An old and reliable variety.....	5
198. Mountain Sweet.	Large, long variety; good quality.....	5

**MUSHROOM SPAWN.**

**CULTURE.**—Mushrooms may be grown under benches of the greenhouses or in cellars—wherever the temperature of 50 degrees can be kept during winter. Gather enough fresh horse dung, free of straw or litter, to form the desired size of bed, spreading it in an airy shed to dry. Mix same in equal proportion of loam taken from an old pasture; turn every day to keep from heating. Make this into a bed eight to ten inches thick, and pound down with the back of a spade. Leave this to heat through for a few days, and as soon as the heat subsides to 85 degrees, make holes in the bed about a foot apart each way, into which put pieces of spawn two or three inches in diameter, and cover up with the compost. At the end of a week or ten days, the spawn will have thoroughly diffused itself through the bed. Spread a layer of fresh soil over the bed to the depth of about two inches, and then cover with three inches of hay or straw. Take great care, if the bed gets dry, to dampen with water about the temperature of 100 degrees.

	Lb.	10 lb.	100 lb.
199. English Spawn.	The best...\$0 12	\$1 00	\$9 00
200. French Spawn.....	35	3 00	

**MUSTARD.**

**CULTURE.**—For early crops sow seeds in hotbeds in March, and for general crop at frequent intervals through the spring in drills about twelve inches apart.

	Pkt.	Oz.
201. Giant Southern Curled.	Large leaves..	\$0 05
202. White American.....	5	5
203. White London.	Grows rapidly.....	5

**NASTURTIUM.**

**CULTURE.**—Sow in early spring in drills one inch deep. The tall-growing varieties should have trellises to grow over.

	Pkt.	Oz.	¼ lb.
204. Dwarf Mixed. Tom Thumb....	\$0 05	\$0 10	\$0 30
205. Tall Mixed.....	5	10	30

**ONION.**

**CULTURE.**—Sow as early in the spring as practicable in rich, light soil, in drills about fifteen inches apart, and when the plants are up thin to three or four inches. Hoe frequently to keep down the weeds.

	Pkt.	Oz.	¼ lb.
206. Adriatic Barletta. The earliest of all white onions.....	\$0 10	\$0 30	\$0 85
207. Early White Nocera. Very early, white.....	10	35	85
208. Giant White Tripoli. Large..	10	30	85
209. Large White Portugal. Standard sort.....	10	35	1 25
210. Large Red Wethersfield. Half early and a good keeper...	10	25	75
211. Mammoth White Garganus, or "Silver King." Extra fine...	10	35	1 25
212. Queen. Small, early sort...	10	30	85
213. Southport Yellow Globe.....	10	30	1 00
214. Southport White Globe.....	10	30	1 00
215. Southport Red Globe.....	10	30	1 00
216. White Mammoth Flat.....	10	30	1 00
217. Yellow Danvers. A standard sort; good keeper.....	10	25	75
218. Yellow Globe Danvers. Of more globular shape.....	10	25	75
219. Yellow Globe Spanish, or Prize Taker. Very large.....	10	30	1 00
220. Yellow Strasburg. Finekeeper.	10	30	85
221. Zittau Giant Yellow. Fine variety; good keeper.....	10	35	1 25

For Onion Sets, see Roots.

**OKRA, OR GOMBO.**

**CULTURE.**—Sow late in spring, in drills three feet apart. Thin out from nine to twelve inches. They should be well manured.

	Pkt.	Oz.
222. Dwarf Green. The standard.....	\$0 05	\$0 10
223. New Dwarf Prolific. Fine.....	5	10
224. White Velvet. Tender white pods.....	5	10

**PARSNIP.**

**CULTURE.**—Sow as early in spring as the ground can be worked, in good soil, eighteen inches apart. Thin out to six or eight inches in the rows. Hoe and cultivate often to keep down weeds.

	Pkt.	Oz.	¼ lb.
225. Early Round. Fine.....	\$0 05	\$0 10	\$0 20
226. Hollow Crown. The standard variety in cultivation.....	5	10	20
227. Long White. Fine variety..	5	10	20

**PARSLEY.**

**CULTURE.**—Sow in early spring, in rows twelve inches apart. Thin out the plants to four inches. To preserve in winter, transplant in coldframe or light cellar.

	Pkt.	Oz.	¼ lb.
228. Beauty of the Parterre. Distinct and most beautiful...	\$0 05	\$0 15	\$0 50



	Pkt.	Oz.	¼ lb.
229. Extra Curled. Standard sort.	\$0 05	\$0 15	\$0 30
230. Extra Double Curled. Finest.	5	15	30
231. Hamburg, or Rooted. Edible roots like parsnips.....	5	15	30
232. Plain. The ordinary form..	5	10	20

### PEAS.

**CULTURE.**—For first early crop sow as early as the ground can be worked, and at intervals of two weeks for succession. Sow in single or double rows two inches deep, and from three to four feet apart, according to the height of variety and strength of soil, supporting tall varieties with brush. Do not sow after the end of May, as they will be attacked by mildew. Plant extra early varieties in August, and you will get a profitable crop by fall.

#### EXTRA EARLY PEAS.

	Qt.	Pk.
233. Alaska. The earliest blue pea.....	\$0 25	\$1 50
234. Alpha. * A wrinkled pea; very early..	30	2 00
235. Daniel O'Rourke Improved. One of the best early peas.....	25	1 50
236. Extra Early; Kinny's Best. 48 days....	40	3 00
237. First and Best. Early and prolific....	25	1 50

#### EARLY AND MEDIUM.

	Qt.	Pk.
239. Advancer. Fine variety.....	\$0 25	\$1 50
240. Champion of England. A standard variety.....	25	1 50
241. Everbearing. Fine large pods.....	35	2 50
242. Horstford Market Garden. Very fine and prolific.....	25	1 50
243. Heroine. Very productive, and of fine quality.....	50	3 00
244. McLean's Advancer. A standard variety.	25	1 50
245. Maud S. Extra fine.....	35	2 50
246. Shropshire Hero. New; very prolific..	40	2 50
247. Yorkshire Hero. Very productive....	25	1 50

#### MAIN AND LATE CROP PEAS.

	Qt.	Pk.
248. Black-Eyed Marrowfat. Popular sort..	\$0 20	\$1 25
249. Stratagem. Heavy cropper.....	30	2 00
250. Telegraph. Fine quality.....	30	2 00
251. Telephone. Large pods.....	30	2 00

#### DWARF VARIETIES.

	Qt.	Pk.
252. American Wonder. Early; very prolific; the best dwarf.....	\$0 30	\$2 00
253. Chelsea. Fine variety; good flavor..	50	4 00
254. Excelsior. One of the finest.....	50	4 00
255. McLean's Little Gem. Very early....	25	1 75
256. Premium Gem. Well-filled pods; early	25	1 50

### PUMPKIN.

**CULTURE.**—Plant in late spring among corn; or, if grown alone, plant in hills ten feet apart each way, and treat like other vines.

	Pkt.	Oz.
257. Improved Cushaw. Striped.....	\$0 05	\$0 10
258. Large Cheese. One of the best.....	5	10
259. Mammoth Potiron. Fine.....	5	10
260. Mammoth Tours. Very large.....	5	10
261. Red Etampes. Fine for family use....	5	15

## PEPPER.

**CULTURE.**—Sow in hotbeds in March; transplant in rows about the first of June, two feet apart and eighteen inches in rows.

	Pkt.	Oz.
262. Bullnose. Popular sort.....	\$0 20	\$0 50
263. Golden Queen. Very fine.....	20	50
264. Long Red Cayenne. Bright red .....	10	25
265. Ruby King. Large, red fruit.....	10	25
266. Red Cherry. Used for pickles.....	10	30
267. " Chili. Productive, small, and pungent.....	10	30
268. Sweet Spanish. Mild and large.....	10	25
269. " Mountain. Large; mild flavor..	10	25

## RADISH.

**CULTURE.**—Sow in early spring, in rows a foot apart, and every week or ten days for a succession up to the middle of June, after which they are but little used unless a cool northern spot can be secured. Sow in early fall for late crops and winter use.

	Pkt.	Oz.	¼ lb.
270. Long White Naples.....	\$0 05	\$0 10	\$0 30
271. " Purple Rose.....	5	10	30
272. " Black Corsican.....	5	10	35
273. Olive-Shaped Deep Scarlet.....	10	15	30
274. " White.....	5	10	25
275. " French Breakfast..	5	10	30
276. Round Scarlet China.....	10	20	50
277. Round White Munich.....	10	15	40
278. Turnip, Early French Deep Scarlet.....	5	10	25
279. Turnip, Early French Scarlet White Tipped Forcing.....	5	10	35
280. Turnip, Early Prussian Scarlet Globe Shaped.....	10	15	40
281. Turnip, Early White, or Box.....	5	10	25
282. " Yellow Summer.....	5	10	30
283. " Golden ".....	5	10	30
284. " Gray ".....	5	10	30
285. White Strasburg ".....	5	10	25
286. Winter Round Black Spanish....	5	10	30
287. " Large White Spanish.....	5	10	25

## RHUBARB.

**CULTURE.**—Sow in a coldframe about the first of March, in fine, rich, sandy loam, in drills about four inches apart.

Transplant in rich soil, and set in rows twelve inches apart and twelve inches in the rows.

The following spring transplant again to four or five feet apart each way, and the next spring the stalks will be large enough to pull.

	Pkt.	Oz.
288. Linnæus. The earliest.....	\$0 05	\$0 20
289. Victoria. Standard sort.....	5	20

## SALSIFY, OR OYSTER PLANT.

**CULTURE.**—Sow in spring in drills eighteen inches apart and one inch deep; thin out to six inches. The roots will be ready for use in October, when a supply should be taken up and stored like carrots. Those remaining will suffer no injury by being left in the ground till spring.

	Pkt.	Oz.	¼ lb.
290. Long White French. Fine.....	\$0 05	\$0 10	\$0 30
291. Mammoth Sandwich Island. Large and superior.....	5	15	50

**SCORZONERA.**

**CULTURE.**—The same as salsify. Known also as Black Oyster Plant.

	Pkt.	Oz.	¼ lb.
292. Scorzonera.....	\$0 05	\$0 20	\$0 50

**SCOLYMUS.**

**CULTURE.**—It is cultivated exactly like the carrot, except that it should be grown in rows three feet apart and eighteen inches in the rows.

	Pkt.	Oz.	¼ lb.
293. Scolymus .....	\$0 05	\$0 20	\$0 60

**SWISS CHARD.**

**CULTURE.**—Cultivate the same as spinach, sow early in the spring in drills about eighteen inches apart; as it grows, thin out for use. Good cultivation will greatly increase the tenderness of the leaves.

	Pkt.	Oz.	¼ lb.
294. Swiss Chard. White.....	\$0 05	\$0 10	\$0 20
295. Yellow Cutting. Tender.....	5	10	20

**SPINACH.**

**CULTURE.**—Sow in early spring in drills fifteen inches apart, and every two weeks for succession. For fall use sow in August, and for winter crop in September.

	Oz.	¼ lb.
296. Lettuce-Leaved. Popular French variety.....	\$0 10	\$0 15
297. Long Standing. Round, thick-leaved..	10	15
298. New Zealand Summer.....	10	30
299. Prickly. Vigorous and hardy.....	10	15
300. Round-Leaved. A standard sort.....	10	15
301. Round Viroflay. Large leaves.....	10	15

**SORREL.**

**CULTURE.**—Sow in spring in drills eighteen inches apart, in rich soil. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. Cut and cook like spinach. Keep the flower stems cut off as they appear.

	Pkt.	Oz.
302. Broad-Leaved French Beleville.....	\$0 05	\$0 15

**SQUASH.**

**CULTURE.**—Sow in hills in the same manner and time as cucumbers; the bush varieties four feet apart each way, and the running kinds six to nine feet apart.

	Pkt.	Oz.
303. Boston Marrow. Oval, very fine.....	\$0 05	\$0 10
304. Early Golden Bush. Fine for summer use.....	5	10
305. Early White Scallop Bush. Fine, early.	5	10
306. Early Mammoth White Bush. Large...	5	10
307. Ford Hook Fine.....	5	10
308. Golden Custard. Extra.....	5	10
309. Giant Summer Crookneck. Very large..	5	10
310. Hubbard. The best late variety.....	5	10
311. Pineapple. Fine late sort.....	5	15
312. Perfect Gem. Fine quality; late.....	5	10
313. Pike's Peak (The Sibley).....	5	10
314. Summer Crookneck. Long green striped.	5	10
315. Turban. Good flavor.....	5	10
316. Winter Crookneck. Good keeper.....	5	10



## TOMATO.

**CULTURE.**—Sow in hotbed in early spring. Transplant into the open ground as soon as all danger of frost is past, setting the plants three to four feet each way. Some support should be provided for the vines to keep the fruit from touching the ground; brush, hay, or anything of that sort will answer the purpose, or they may be tied to stakes.

	Pkt.	Oz.
317. Acme. Very good variety, smooth..	\$0 10	\$0 25
318. Atlantic Prize. New sort.....	10	25
319. Beauty (Livingston). Large and smooth	10	25
320. Dwarf Champion. Fine flavor.....	10	25
321. Favorite (Livingston). Very productive..	10	25
322. Ignotum. Very prolific and early....	10	25
323. Lorillard. For forcing.....	10	25
324. Mikado. Very large, smooth, solid..	10	25
325. Ponderosa. Very large.....	10	1 00
326. Perfection (Livingston). Early and pro- lific.....	10	25
327. Red Cherry. Small, grows in bunches	15	40
328. Trophy. Large; standard late sort..	10	25

## TURNIP.

**CULTURE.**—For early turnips, sow as soon as the ground can be worked in spring. For winter use, sow in August in drills eighteen inches apart, and thin out to six inches in the drill.

	Pkt.	Oz.	¼ lb.
329. Extra Early Milan. The earliest..	\$0 05	\$0 10	\$0 30
330. Early Snowball. Rapid grower.	5	10	20
331. Early Dutch. White, early...	5	10	20
332. Purple-Top Munich. Very early.	5	10	30
333. Red-Top Strap-Leaf. A popu- lar sort. The best.....	5	10	15
334. Ruta Baga, or Swede Turnip...	5	10	20

## SEEDS OF POT, SWEET AND MEDICINAL HERBS

Here are gathered together all the leading kinds of plants used either for seasoning or medicine. They are very useful, not only in summer, but also in winter, when they can be preserved in a dry state.

	Pkt.
335. Anise (Pimpinella Anisum).....	\$0 05
336. Basil, Dwarf, or Bush (Ocimum Basilicum).....	5
337. Basil, Sweet.....	5
338. Burnett.....	10
339. Borage (Borago officinalis).....	5
340. Caraway (Carum Carui).....	5
341. Catnip (Nepeta Cataria).....	10
342. Coriander (Coriandrum sativum).....	5
343. Dill (Anethum graveolens).....	5
344. Fennel, Sweet (Foeniculum vulgare).....	5
345. Horehound (Marrubium vulgare).....	5
346. Hyssop (Hyssopus officinalis).....	5
347. Lavender (Lavendula Spica).....	5
348. Marigold, Pot (Calendula officinalis)....	5
349. Marjoram, Pot (Origanum vulgare).....	10
350. " Sweet (Majorana hortensis).....	5
351. Orach.....	5
352. Purslain (Portulaca oleracea).....	5
353. Rosemary (Rosmarinus officinalis).....	10
354. Rue (Ruta graveolens).....	5
355. Sage, Common (Salvia officinalis).....	5
356. Savory, Summer (Satureja hortensis).....	5
357. " Winter ( " montana).....	5
358. Skirret.....	5

	Pkt.
359. Tansy ( <i>Tanacetum vulgare</i> ).....	\$0 05
360. Tarragon, Russian ( <i>Artemisia Dracunculus</i> )....	5
361. Thyme, Broad-Leaved English.....	5
362. " French ( <i>Thymus vulgaris</i> ).....	5
363. Wormwood ( <i>Artemisia Absinthium</i> ).....	5
364. Woodruff ( <i>Asperula odorata</i> ).....	10
365. Collection of 6 best kinds, my selection, 25c.	
366. " " 12 " " " " 50c.	

## VEGETABLE ROOTS AND TUBERS.

	Per 1000		
367. Asparagus Roots, Conover's Colossal. Two years old.....	\$7 00		
368. Asparagus Roots, Palmetto. Two years old.....	9 00		
369. " " Barr's Mammoth. Two years old.....	8 00		
370. Chive Plants. Twenty-five cents per bunch.		Per doz.	Per 100.
371. Cinnamon Vine Roots. Three to five in. long.....	\$0 75		\$5 00
372. Horse Radish Roots. Cut in pieces....	25		1 00
373. Jerusalem Artichoke. Twenty cents per qt.....			
374. Mint Roots. Fifteen cents each.....	1 50		
375. Onion Sets, Yellow.....	Qt. \$0 25	1/2 pk. \$0 80	Pk. \$1 25
376. " " White.....	30	1 00	1 75
377. " " Multiplier... ..	35	1 25	2 25
378. Shallots.....	35	1 25	2 00
379. Garlic Sets, per lb., 30c.			
380. Rhubarb Roots, 10c. each ; \$1.00 per doz.			
381. Sea-Kale Roots, \$1.00 per doz.			
381 $\frac{1}{2}$ . Tarragon Plants, 30c. each ; \$3 doz.			

## POTATOES.

	1/2 Pk.	Bush.	Bbl.
382. Beauty of Hebron. Standard early variety.....	\$0 40	\$1 75	\$4 25
383. Carman No. 3.....	40	1 75	4 25
384. Early Puritan. Extra early....	40	1 75	4 25
385. " Maine. A good early sort.	40	1 75	4 25
386. " Rose. One of the best..	40	1 75	4 25
387. St. Patrick. A good late sort.	40	1 75	4 25
388. White Elephant. Extra productive.....	40	1 75	4 25

**Do not** be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it. You will find the *original* and *only*

# W. A. MANDA

AT THE

Universal Horticultural Establishment,  
SOUTH ORANGE, N. J.

## GRASS AND CLOVER SEEDS.

I beg to draw the special attention of my patrons to the Universal Lawn Grass Seed Mixture, which is prepared to give the best results for fine lawns; also to the cheap Pasture Grass Mixture for meadows. I would also be happy to supply grass and clover seed separate, if desired.

### MANDA'S UNIVERSAL LAWN SEED MIXTURE.

This lawn grass mixture is composed entirely of the finest quality of fine leaved dwarf-growing grasses, in such proportions as will enable it to withstand the extreme heat of our summers. The grasses which compose this mixture are extra well cleaned, so that all weeds are excluded, leaving nothing but the pure, clean seed.

I recommend four bushels to the acre. It is necessary to sow the seed very thick to get the most pleasing result—that is, a good lawn.

The best time to sow grass seed is in the spring or about the latter part of August. I prefer the spring. The success of establishing a good lawn depends much on the season and the condition of the ground at the time of sowing. A light raking in will protect the seeds greatly. Rolling, however, is at all times indispensable, and should any weeds appear they should be eradicated.

### MANDA'S UNIVERSAL MIXTURE IS AS GOOD AS ANY AND BETTER THAN MANY.

	Qt.	Pk.	Bush.
389 Manda's Universal Lawn Seed Mixture.....	\$0 25	\$1 25	\$4 50
390 Central Park Lawn Grass Mixture .	20	1 15	3 50
391 Pasture Grass Mixture.....			2 25

### GRASS SEEDS.

(Prices Subject to Change.)

	Per lb.
392. Awnless Brome Grass ( <i>Bromus inermis</i> ).....	\$0 25
393. Creeping Bent Grass ( <i>Agrostis stolonifera</i> ).....	20
394. Crested Dog's Tail ( <i>Cynosurus cristatus</i> ).....	50
395. English Rye Grass ( <i>Lolium perenne</i> ).....	11
396. Fine Leaved Sheep's Fescue ( <i>Festuca Ovina tenuifolia</i> ).....	35
397. Hard Fescue ( <i>Festuca duriuscula</i> ).....	18
398. Italian Rye Grass ( <i>Lolium Italicum</i> ).....	11
399. Kentucky Blue Grass ( <i>Poa pratensis</i> ).....	11
400. " " " Extra choice.....	15
401. Meadow Fescue ( <i>Festuca pratensis</i> ).....	18
402. " Foxtail ( <i>Alopecurus pratensis</i> ).....	35
403. " Soft, or Velvet Grass ( <i>Holcus lanatus</i> )....	22
404. Orchard Grass ( <i>Dactylis glomerata</i> ).....	14
405. " " Choice.....	20
406. Red or Creeping Fescue ( <i>Festuca rubra</i> ).....	25
407. Red Top Grass ( <i>Agrostis vulgaris</i> )..	15
408. " " " Extra choice, recleaned.....	25
409. Rhode Island Bent Grass ( <i>Agrostis canina</i> ).....	25
410. Rough Stalked Meadow Grass ( <i>Poa trivialis</i> ).....	40



	Per lb.
411. Sheep's Fescue ( <i>Festuca Ovina</i> ).....	\$0 20
412. Tall Meadow Fescue ( <i>Festuca elatior</i> ).....	35
413. " " Oat Grass ( <i>Avena elatior</i> ).....	22
414. Timothy, or Herd Grass ( <i>Phleum pratense</i> ).....	10
415. Various Leaved Fescue ( <i>Festuca Heterophylla</i> )..	30
416. Wood Meadow Grass ( <i>Poa Nemoralis</i> ).....	45

### CLOVERS.

(Prices Subject to Change.)

	Lb.
417. Alfalfa, or Lucerne ( <i>Medicago sativa</i> ).....	\$0 20
418. Alsike, or Hybrid Clover ( <i>Trifolium hybridum</i> )...	20
419. Bokhara Clover ( <i>Melilotus leucantha</i> )..	35
420. Mammoth Red, or Pea Vine Clover ( <i>Trifolium</i> <i>pratense perenne</i> ).....	16
421. Red Clover, Medium ( <i>Trifolium pratense</i> ).....	15
422. Scarlet Clover ( <i>Trifolium incarnatum</i> ).....	10
423. Sainfoin ( <i>Onobrychis sativa</i> ).....	10
424. Trefoil, Yellow or Hop Clover ( <i>Medicago lupulina</i> )	25
425. White Clover ( <i>Trifolium repens</i> ).....	30

### CEREALS AND AGRICULTURAL SEEDS.

I keep a complete list of the finest varieties of these seeds, unequalled for purity and cleanliness.

Parties desiring large quantities would do well to get quotations from me before ordering elsewhere.

### PALM SEEDS.

Having to plant thousands of them myself every season, I am compelled to make large importations of these seeds yearly. They come from all quarters of the tropical world, such as New Zealand, Australia, the East and West Indies, South America, and Africa. Orders are booked beforehand, and will be filled in succession as the goods arrive. The seed is unexcelled as regards purity and germination.

### EVERGREEN AND DECIDUOUS TREE AND SHRUB SEEDS.

These are also imported from all parts of the world. Owing to the difficulty and great expense involved in securing these seeds, I will not offer quantities in less bulk than will cost 25 cents and upwards.

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**Do not** be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it. You will find the *original* and *only*.

# W. A. MANDA

AT THE

## Universal Horticultural Establishment,

### SOUTH ORANGE, N. J.

## FLOWER SEEDS.

Very extensive list of the choicest strains of Flower Seeds will be found arranged under the following headings: *Specialties in Leading Florist Flowers*; *General Collection of Flower Seeds*, embracing every thing worth growing, either annual, hardy perennial, greenhouse plants, vines and climbers, ornamental fruit, everlastings, grasses, etc., arranged alphabetically, while following same will be found a large number of *Special Assortments*, put up by their respective growers and specialists in Europe, and offered in original sealed packets.

### SPECIALTIES IN LEADING FLORIST FLOWERS.

This department consists and includes all of the most important classes of plants, with their great variety, such as are or should be grown by every one.

The collections of such as *Asters*, *Pansies*, *Sweet Peas*, *Nasturtiums*, *Balsams*, *Stock*, etc., are complete, embracing every distinct and choice variety in cultivation. Under each heading I have given a short description and cultural direction of the various classes, also color of the varieties.

### MANDA'S MIXTURES.

This Mixture is composed of the choicest named varieties grown, in suitable proportions, and must not be compared with the cheap and common mixture generally offered, which is composed of very few and inferior varieties.

When you want the finest assortment, be sure and order *Manda's Mixture*.

### STOCKS.

These well-known favorites need no description, as they are indispensable to all lovers of flowers.

Their beautiful flowers, borne on graceful spikes, combined with their lasting qualities, make them excellent for cutting purposes.

The list below contains the finest strains that can be produced, and will be sure to give satisfactory results.

Sow, as early as possible, in frames or in the open ground. When large enough, plant in small pots, so as not to disturb the roots when transplanting.

		Pkt.
Cut and Come Again.	Pure white.....	\$0 10
Large-Flowering Dwarf Ten-Week.	Pure white.....	10
" " "	Sulphur yellow...	10
" " "	Brilliant rose.....	10
" " "	Carmine.....	10
" " "	Dark Crimson....	10
" " "	Blood Red.....	10
" " "	Copper Red.....	10
" " "	Lilac.....	10

	Pkt.
<b>Large-Flowering Dwarf Ten Week.</b> Light Blue.....	\$0 10
“ “ “ “ Violet.....	10
“ “ “ “ Purple Brown....	10
“ “ “ “ Finest mixed.....	10
<b>Perpetual Dwarf Ten-Week.</b> Choice mixed...	10
<b>Large-Flowering Pyramidal Ten-Week.</b> Choice mixed..	10
<b>Large-Flowering Dwarf Pyramidal Ten-Week.</b> Finest mixed.....	15
<b>Tree, or Giant Ten-Week.</b> Choice mixed.....	10
<b>Giant Perfection Ten-Week.</b> Choice Mixed.....	10
<b>Large-Flowering Wallflower-Leaved Ten-Week.</b> Choice mixed.....	10
<b>East Lothian Autumnal.</b> Finest mixed.....	15
<b>Large Flowering Emperor.</b> Finest mixed.....	15
<b>Winter, or Biennial Brompton.</b> Finest mixed.....	10
<b>Wallflower, Double Tall Tree.</b> Finest mixed.....	10
“ <b>Double Tall Branching.</b> Finest mixed...	10
“ <b>Double Dwarf Branching.</b> Finest mixed...	10
“ <b>Single.</b> Finest mixed.....	5
<b>Manda's Mixture of the finest varieties, only.....</b>	10
<b>One Packet of each of the above 26 kinds, for only.</b>	2 25

### ASTERS.

Without doubt, taking all in all, this is one of the finest annuals we have. Its great diversity in form and color, combined with its fine qualities as a cut flower, makes it a universal favorite with every one. In color it runs in shades from pure white to the deepest red, and in form has as many changes, some varieties being incurved and reflex, while others have quilled and twisted petals. It is of easy culture; sow in early spring in frame or garden; transplant in rows about a foot apart each way.

	Pkt.
<b>Dwarf Queen.</b> Choice mixed.....	\$0 10
“ <b>Pyramidal.</b> Finest mixed.....	10
“ <b>Chrysanthemum.</b> Pure white.....	10
“ “ Peach blossom, fine sort....	10
“ “ Rose, very handsome.....	10
“ “ Crimson, rich.....	10
“ “ Fiery scarlet, splendid.....	10
“ “ Light blue, extra fine.....	10
“ “ Dark blue, very dark.....	10
“ “ Finest mixed, choice.....	10
“ <b>Victoria.</b> White (improved).....	10
“ “ Rose, very handsome.....	10
“ “ Peach blossom, extra fine.....	10
“ “ Light blue, beautiful.....	10
“ “ Finest mixed, choice.....	10
“ <b>Crown.</b> (White centre), choice mixed.....	10
“ <b>Comet.</b> White and lilac, beautiful strain.....	10
“ “ Carmine, bright and fine.....	10
“ “ Light blue, very fine.....	10
“ “ Light blue and white, very fine.....	10
“ “ Rose and white, finest color.....	15
“ “ White, splendid novelty.....	15
“ “ Finest mixed, extra choice.....	10
<b>Quilled German.</b> Pure white, improved.....	5
“ “ White and rose, very pretty.....	5
“ “ White with red centre, extra.....	5
“ “ Rose and white, very pretty.....	5
“ “ Dark red, very rich.....	5
“ “ Crimson and white, excellent.....	5
“ “ Sky-blue and white, pretty.....	5
“ “ Violet and white, very handsome..	5
“ “ Finest mixed, extra choice.....	5
<b>Large Globe-flowered German.</b> Choice mixed.....	5



	Pkt.
Lilliput-flowered. Choice mixed.....	\$0 10
Schiller. Choice mixed.....	10
Princess, pure white or snowball. Extra fine.....	15
Mignon, pure white. Excellent for cutting.....	15
“ Peach Blossom. Extra fine.....	15
“ rose. Very fine.....	10
Pæony-flowered Globe or Uhland. Choice mixed.....	10
Large Rose-flowered. Choice mixed.....	10
Victoria. Pure white.....	10
“ Light yellow.....	10
“ White, turning to rose.....	10
“ White, turning to azure blue.....	10
“ Dark scarlet.....	10
“ Finest mixed.....	10
Victoria Needle (Hedgehog). Choice mixed.....	10
Washington. Choice mixed.....	10
Imbricated Pompon. Choice mixed.....	10
Pompon Crown (white centre). Finest mixed.....	10
Truffaut's Pæony-flowered Perfection. Snow white....	10
“ “ “ “ Crimson.....	10
“ “ “ “ Dark red and white.....	10
“ “ “ “ Dark scarlet....	10
“ “ “ “ Dark blood red.	10
“ “ “ “ Light blue.....	10
“ “ “ “ Black blue.....	10
“ “ “ “ Finest mixed...	10
Betteridge's Quilled. Choice mixed.....	5
Crown, or Cocardeau (white centre). Choice mixed..	10
Pyramidal-flowered. German. Choice mixed.....	10
Tall Chrysanthemum. Pure white.....	10
“ “ Rose.....	10
“ “ Rose and white.....	10
“ “ Cherry red.....	10
“ “ Finest mixed.....	10
Goliath. Choice mixed.....	10
Giant Emperor. Choice mixed.....	10
Manda's Mixture, comprising all the types.....	10
Ordinary mixture of leading sorts.....	5
One packet of each of the 79 kinds for only.....	5 75
	Oz.
Manda's Mixture, all types....	\$2 75

### LARKSPUR, ANNUAL.

This is a very useful plant, easily raised from seed sown either in frames in February or out of doors in April. The large spikes of various shades of colors are very useful for cutting purposes.

	Pkt.
Dwarf German Rocket (Hyacinth-flowered). Mixed.....	\$0 05
Giant Hyacinth-flowered. Choice mixed.....	5
Tall German Rocket. Choice mixed. Tall varieties.	5
Stock-flowered, Tall Branching. Finest mixed.....	5
Ranunculi-flowered. Mixed. Choice double.....	5
Dwarf Candelabrum-formed. Finest mixed.....	10
Emperor. Splendid mixture. Fine strain.....	5
Manda's Mixture of the above varieties.....	5
One packet of each of the above 3 varieties for....	40
	Oz.
Manda's Mixture of all types.....	\$0 50

### PERENNIAL LARKSPUR.

One of the finest class of hardy plants. Thrive well in any garden soil, and will flower in great profusion the second year after sowing. *D. formosum*, if sown early will flower the first year. The color of the flowers,

which are produced in long spikes, varies in different shades of blue.

	Pkt.
<b>Delphinium Barlowi.</b> Large dark blue flowers.....	\$0 25
“ <b>Ajaxis.</b> See Larkspur, Annual, above.	
“ <b>Brunonianum.</b> Blue, new, musk-scented.	25
“ <b>Cashmerianum.</b> Monkshood-like flowers, dark blue.....	10
“ <b>elatum Le Mastodonte.</b> Large blue flowers, beautiful.....	20
“ “ <b>hybridum.</b> Finest mixture.....	5
“ <b>formosum.</b> Dark blue, beautiful flowers..	5
“ “ <b>celestinum.</b> Sky-blue, splendid.	10
“ <b>Hendersoni.</b> Dark blue variety, very fine	5
“ <b>hybr. fl. pl.</b> (Double finest mixed.) Extra	25
One packet of each of the above 10 varieties for...	1 00
One packet of each of Annual and Perennial va- rieties.....	1 35

### PANSIES, SHOW

Below you will find a list of the very finest of show pansies of incomparable size, beauty and luxuriance, especially my finest mixture.

In this mixture I have spared no pains in securing the finest strains and mixing carefully, only using those which I knew would give the best results. For size, coloring and abundance of flowers, this strain has no equal. They do best in summer in a cool, moist situation. Highly recommended for indoor culture in the winter.

	Pkt.
<b>Manda's finest mixture,</b> extra selected strain.....	\$0 50
<b>Extra fine choice mixed,</b> good useful mixture.....	25
<b>Ordinary mixture</b> of standard varieties.....	10
<b>Odier,</b> extra choice large blotched flowers.....	25
<b>Cassier,</b> very large flowered fine.....	25
<b>Bugnot's</b> superb fine strain... ..	50
<b>Superb mixture</b> of the Odier, Cassier. and Bugnot's strains.	25
<b>English choice mixture</b> for general purpose.....	25
<b>French fine strain</b> of choice and bright colors.....	25
<b>Trimardeau, or Giant Pansies,</b> enormous flowers, extra.	25
One packet of each of the above 10 kinds for \$1.85.	
<b>Manda's finest mixture</b> .....	Oz. \$8 00

### PANSIES, BEDDING.

These differ from the above in their flowers being smaller, but they are produced in greater profusion. They form bushy plants covered with bloom, and are better adapted for bedding, as the color of the flowers is mostly solid in this class, and they are therefore better able to stand the sun than the fancy forms of the show pansies.

	Pkt.
<b>Cliveden,</b> purple } excellent varieties for bedding. {	\$0 15
“ white }	15
“ yellow }	15
<b>Azure Blue,</b> choice extra fine.....	15
<b>King of the Blacks (Dr. Faust),</b> very dark variety.....	15
<b>Black Blue</b> (dark blue), fine strain.....	15
<b>Snow Queen,</b> candidissima, delicate satiny white....	15
<b>Light Blue,</b> sky-blue.....	15
<b>Lord Beaconsfield,</b> very effective.....	15
<b>Red Shades mixed,</b> extra fine.....	15
<b>Yellow,</b> fine rich color for bedding.....	15
<b>Pure White,</b> good form and clear color.....	15
<b>Gold Margined,</b> splendid variety.....	15
<b>Silver Edged (Atropurpurea albomarginata),</b> charming...	25

	Pkt.
Violet margined with white, extra fine.....	\$0 15
Manda's mixture of Bedding Pansies, best varieties....	15
One packet of each of the above 16 varieties for ...	1 75
One packet of each Show and Bedding kinds, 26 packets, for.....	3 25
	Oz.
Manda's finest mixture.....	1 25

### CYCLAMEN.

These are among the most beautiful winter and spring flowering plants for the greenhouse.

Not only are the flowers very beautiful, but the leaves are very ornamental. The flowers run in shades from pure white to dark red.

	Pkt.
Persicum giganteum, finest mixed.....	\$0 50
“ “ album. Pure white.....	50
“ “ atropurum. Dark red .....	50
“ “ roseum superbum. Extra fine....	50
“ “ sanguineum. Darkest red.....	50
“ “ Manda's choice mixture.....	50
One packet of each of the above 5 varieties for....	2 00

### SWEET PEAS.

This is also a great favorite in the garden. The odor, the beautiful shading, and the abundance with which it produces its flowers, combined with usefulness as a cut flower, have made it a very popular plant.

It does well planted along the side of fences, or, in fact, any place where it can climb or twine over. For general culture, sow in spring, as early as the ground can be worked, in drills four inches deep; when large enough, hoe up a little soil to them, and brush the same as ordinary garden peas.

	Pkt.	Oz.
Alba magnifica. Best pure white.....	\$0 05	\$0 20
Apple Blossom. Bright pink and blush....	5	20
Blanche Ferry. Pink and white, early.....	5	20
Butterfly. White and lilac.....	5	20
Blushing Bride. A new and splendid variety.	10	45
Boreatton. Bronze-crimson and purple....	5	20
Capt. of the Blues. Bright purple and blue.	5	20
Cardinal. Crimson scarlet.....	5	20
Delight. White, tinted rose .....	5	20
Duchess of Edinburgh. Scarlet and rose....	5	20
Empress of India. Rosy pink and white....	5	20
Emily Henderson. Grand new white.....	10	
Fairy Queen. Beautiful white and pink....	5	20
Her Majesty. Beautiful soft rosy pink.....	10	45
Indigo King. Rich Indigo black and blue..	5	20
Ignea. A splendid new variety .....	10	45
Iza Eckford. Rosy pink and carmine .....	5	20
Lemon Queen. Blush pink and lemon.....	10	45
Mrs. Eckford. White shaded crimson.....	10	45
Mrs. Sankey. Pure white, large flower....	10	45
Mrs. Gladstone. Pink, rosy blush wings...	5	20
Orange Prince. Bright orange-pink .....	5	20
Painted Lady. Rose and white,.....	5	20
Primrose. Pale primrose yellow, extra....	10	45
Princess of Wales. White with Indigo blue.	5	20
Princess Victoria. Very beautiful variety..	10	45
Queen of England. Pure white, charming..	10	45
Scarlet Invincible. Very effective red.....	5	20
Splendor. Bright rose flushed crimson....	5	20
The Queen. Pink, with mauve wings.....	5	20
Choice Eckford Hybrids, mixed		
per lb. \$1 00	5	15
Manda's Choice Mixture, all colors,		
per lb. 1 00	5	15
The complete collection of 32 above kinds for .....	1	50



## AMARANTUS.

This is one of the finest plants we have for sub-tropical bedding or massing. Its gorgeous colored leaves and robust habit give it a striking appearance.

It does best in a sunny position, and wants a good, rich soil. Sow in early spring, and plant in small pots when transplanting; allow each plant about twelve inches, so that they may fully develop.

	Pkt.
<b>Amarantus amabilis tricolor.</b> Fine.....	\$0 15
“ <b>bicolor ruber.</b> Carmine-scarlet .....	5
“ <b>caudatus</b> (Love-lies-bleeding.) Red .....	5
“ <b>cruentus</b> (Prince's Feather.) Red .....	5
“ <b>Henderi.</b> Splendid.....	5
“ <b>melancholicus ruber.</b> Blood-red leaves.....	5
“ <b>salicifolius.</b> Highly decorative.....	10
“ <b>tricolor</b> (Joseph's Coat.) .....	5
“ “ <b>splendens</b> (improved.) Splendid.....	10
<b>Manda's Choice Mixture</b> of the above varieties.....	5
<b>One packet</b> of each of the above 10 varieties.....	50

## NASTURTIIUM (TROPÆOLUM).

For covering rockwork and fences, or hanging from vases, baskets or boxes, there is nothing can excel the tall growing nasturtium. The dwarf variety is greatly used for bedding and planting around shrubbery; they are of the easiest culture, and flower freely the whole season, while the best varieties may be brought into the greenhouse, where they will give a profusion of flowers all winter.

	Pkt.
<b>Canariense</b> (Canary Flower), fine.....	\$0 05
<b>Moritzianum</b> , yellow and scarlet, new.....	15
<b>Lobbianum</b> Asa Gray, yellowish white extra.....	10
“ <b>Brilliant</b> , dark scarlet .....	5
“ <b>Cardinale</b> , dark scarlet.....	5
“ <b>Crown Prince of Prussia</b> , blood-red .....	10
“ <b>Lucifer</b> , very dark scarlet.....	10
“ <b>Napoleon III.</b> , golden yellow, spotted with brown.....	10
“ <b>Roi des noirs</b> , dark brown.....	5
“ <b>Spitfire</b> , bright scarlet.....	5
“ <b>Choice mixture</b> , finest.....	5
<b>Majus atropurpureum</b> , crimson.....	5
“ “ <b>foliis aureis</b> , new.....	5
“ <b>Coccineum</b> , scarlet.....	5
“ <b>Dunnett's Orange</b> , choice variety.....	5
“ <b>hemisphæricum</b> , orange, handsome .....	5
“ <b>luteum</b> , yellow, variety, effective.....	5
“ <b>finest mixed</b> , all colors.....	5
<b>Tom Thumb</b> (nanum) Dwarf <b>Aurora</b> , new.....	5
“ “ <b>Beauty</b> , yellow and scarlet.....	5
“ “ <b>Coccineum</b> , scarlet extra.....	5
“ “ <b>Atropurpureum</b> , dark crimson.....	5
“ “ <b>Cœruleo-roseum</b> , very fine.....	5
“ “ <b>Crystal Palace Gem</b> , extra fine.....	5
“ “ <b>Empress of India</b> , dark leaved.....	5
“ “ <b>Golden King</b> , fine yellow form.....	5
“ “ <b>King of Tom Thumbs</b> .....	5
“ “ <b>King Theodore</b> , very dark.....	10
“ “ <b>Lady Bird</b> .....	5
“ “ <b>luteum</b> , yellow.....	5
“ “ <b>Pearl</b> , white.....	5
“ “ <b>Rose</b> , very fine.....	5
“ “ <b>Ruby King</b> , very fine.....	5
“ “ <b>Scheuerianum Coccineum</b> .....	5
“ “ <b>Spotted</b> .....	5
“ “ <b>finest mixture</b> .....	5

	Pkt.
<b>Manda's Choice Mixture</b> of all above sorts.....	\$0 05
One Packet of each of the above 37 kinds for. ....	1 85
<b>Manda's Mixture, Tall or Dwarf, per oz.</b> .....	15

### CINERARIA.

One of the most beautiful spring flowering plants for greenhouse or conservatory decoration.

When well grown, the flowers measure about two inches across, and cover the plant with a mass of bloom. Sow in late summer, in a light compost. When large enough, transplant in small pots, and shift as required. They do best when kept in a cool place, and will do well in a frame protected from the frost.

	Pkt.
<b>Hybrida Grandiflora.</b> Large-flowered. Choice Mixed.....	\$0 50
“ “ <b>Nana.</b> Dwarf. Fine strain.....	50
“ <b>Plenissima.</b> Double. Choice Mixed.....	1 00
<b>Manda's Choice Mixture</b> of the three strains.....	50
One Packet of each of the above 4 kinds for.....	1 75

### BALSAMS (LADIES' SLIPPERS).

One of the showiest and most beautiful summer garden annuals. Forming bushy plants, profusely covered with large double flowers of brilliant colors. It succeeds well in most any situation, but prefers rich soil.

Sow in frames or greenhouse in March, or in the open ground in May. When large enough, transplant, allowing each plant about one square foot for its development.

	Pkt.
<b>Double Rose Flowered.</b> Pure white.....	\$0 10
“ “ “ Pale yellow.....	10
“ “ “ Flesh color.....	10
“ “ “ Rose.....	10
“ “ “ Pomegranate red.....	10
“ “ “ Scarlet.....	10
“ “ “ Crimson.....	10
“ “ “ Lilac.....	10
“ “ “ Violet.....	10
“ “ “ Fine mixture.....	10
<b>Double Spotted.</b> Fine mixture.....	10
<b>Improved Camellia Flowered.</b> Finest mixed.....	10
<b>Carnation, Striped.</b> Finest mixed.....	10
<b>Dwarf Spotted (atrosanguinea plenissima).</b> Deep red...	10
“ “ <b>Solferino.</b> Very fine.....	10
“ “ <b>Victoria.</b> Very fine.....	10
<b>Manda's Choicest Mixture</b> of the finest varieties.....	10
<b>Ordinary Mixture</b> .....	5
One Packet of each of the above 18 kinds, for only	1 25
<b>Manda's Choicest Mixture, per oz.</b> .....	1 00

### PETUNIA.

Without doubt the grandest annual we have for massing or bedding. Its gorgeous colored flowers, which are borne in such great profusion, filling the air with a pleasant aroma, make it a great favorite with all lovers of flowers. Sow in the early spring, in frame or greenhouse, and when large enough transplant in boxes or pots, planting into the open ground about the middle of May. It delights in a rich soil and a warm, sunny exposure. The double varieties come only partly true from seed.

	Pkt.
<b>Hybrida.</b> Mixed very fine quality... ..	\$0 05
“ Finest mixed first quality.....	10
“ <b>alba.</b> Pure white, very fine.....	10

	Pkt.
<b>Hybrida Inimitable.</b> Striped and blotched.....	\$0 25
“ “ <b>Dwarf</b> (Nana compacta multiflora.) Striped, effective.....	25
“ <b>intus aurea.</b> Yellow throat, fine.....	25
“ <b>kermesina.</b> Crimson, fine.....	25
“ <b>venosa.</b> Veined varieties, extra.....	10
<b>Petunia, Large-Flowering.</b> Choice... ..	10
<b>Grandiflora alba.</b> White, very beautiful.....	25
“ <b>Single Large-Flowering.</b> Superb, Mixed....	25
“ <b>Petunia Fringed.</b> Large-Flowering.....	25
“ <b>Fimbriata alba.</b> Pure white .....	25
“ “ <b>Single Fringed.</b> Superb, Mixed... ..	25
<b>Double Lilliput</b> (nana compacta multiflora fl. pl.) Self spotted and striped fine.....	75
“ <b>Large-Flowered</b> (grandifl. fl. pl.) Excellent strain, choice mixed.....	75
“ <b>Fringed Large-Flowered</b> (grandifl. fimbriata fl. pl.) Charming flowers, extra.....	75
<b>Manda's Choicest Mixture</b> of the above varieties.....	20
<b>One Packet</b> of each of above 18 varieties .....	4 50

## VERBENA.

Unrivalled in its dazzling brilliancy, the verbena is unsurpassed by no annual as a bedding plant.

From early summer until killed by frost it is literally ablaze with the most gorgeous colored flowers imaginable.

As a cut flower it is indispensable, and no garden should be without it. Of easy culture, it should be sown in open ground in May, and thin out so that each plant will have about a square foot for development.

Better results will be obtained if sown in a frame or greenhouse in early spring, and pricked off in pots or boxes before planting out. In the Southern States it takes the form of a perennial, coming up year after year of its own accord.

	Pkt.
<b>Citriodora</b> (lemon verbena). Fragrant.....	\$0 25
<b>Hybrida.</b> Good quality, mixed.....	5
“ <b>Extra choice mixture.</b> .....	10
“ <b>1st quality of elite varieties only.</b> .....	10
“ <b>auriculæflora.</b> Choice mixed.....	10
“ “ <b>cœrulea.</b> Large flower, sky blue .....	10
“ “ <b>purpurea.</b> Violet, white eye....	10
“ <b>Black-blue, with white eye</b> .....	10
“ <b>candidissima.</b> The purest white.....	10
“ <b>coccinea.</b> Scarlet, very strong.....	10
“ <b>cœrulea.</b> Blue shades.....	10
“ <b>Defiance.</b> Scarlet, brilliant for bedding... ..	10
“ <b>lutea.</b> Yellow, distinct.....	10
“ <b>striata.</b> Italian carnation-like, striped....	10
“ <b>Mammoth.</b> New, large-flowered.....	25
“ <b>erecta coccinea.</b> Beautiful.....	10
“ “ <b>Defiance.</b> .....	10
“ <b>nana candidissima.</b> Very dwarf.....	10
<b>One Packet</b> of each of the above 18 varieties for ..	1 75
	Pkt. Oz.
<b>Manda's Choice Mixture.</b> .....	\$0 10 \$1 75

## PHLOX DRUMMONDI.

For beds and massing there is nothing can surpass this annual in beauty.

It produces large trusses of brilliant flowers of numberless shades and markings throughout the summer.



The extent to which it is grown proves that it is a great favorite among flower lovers.

	Pkt.
Alba. Pure white.....	\$0 10
Alba flore plena. Very fine.....	10
Atropurpurea (Black Warrior). Deep blood purple....	10
Brilliant. Very effective.....	10
Fimbriata. Finest mixed.....	10
Lutea fl. pleno, double yellow.....	10
Rosea. Pure rose.....	10
Grandiflora. Fine mixed.....	10
“ alba. Pure white.....	10
“ kermesina splendens. Vivid crimson....	10
Cuspidata. Finest mixed.....	10
Graf Gero. Finest mixed.....	15
Heynholdi. Choice mixed.....	10
Nana Compacta nivea (Snowball). White; excellent...	10
“ sanguinea (Fireball). Extra.....	10
“ splendens. Crimson, white eye.....	10
“ extra fine mixed.....	10
Manda's Choice Mixture of the very best sorts .....	10
Ordinary Mixture.....	5
One of each of the above 19 kinds for only.....	1 25
	Oz.
Manda's Choice Mixture.....	\$0 75

### PRIMULA (PRIMROSE).

One of the finest winter flowering greenhouse plants. The list below contains only the finest strains procured from the greatest specialist in Europe. Sow in early summer in shallow boxes or pans. When large enough, plant in small pots, and shift as required. They enjoy rather a cool position, and will do well in a frame protected from frost.

	Pkt.
Primula Chin. fimbriata rubra. Red.....	\$0 50
“ alba. White. Excellent strain	50
“ magnifica (Williams)....	75
“ fringed. Finest mixed.....	50
“ filicifolia. Finest Mixed.....	50
“ globosa. “ “ .....	50
“ fl. pl. Double White. Pure....	75
“ Blush.....	75
“ Crimson.....	75
“ Best Mixed.....	75
“ Auricula. Fine. Half hardy. Perennial...	25
“ Cashmeriana (capitata). Quite hardy.....	25
“ Obconica. Excellent for pots and bouquets..	25
“ Elatior (veris). First Quality Large-flowered..	10
“ Duplex. (Hose in Hose.) Beautiful..	10
“ Gold-laced. Charming varieties.....	10
“ Verticillata. New. Greenhouse Plant.....	50
“ Vulgaris. The true Yellow English Primrose	10
One Packet of each of the above for.....	6 50

### MYOSOTIS (FORGET-ME-NOT).

This beautiful little plant is too well known to need any description. It does best in a cool, moist place, and can be used for spring bedding or winter flowering. The flowers when cut and placed in water will grow just as well as if on the plant.

	Pkt.
Alpestris (Forget-Me-Not). Blue.....	\$0 10
“ Alba. Pure white.....	10
“ Robusta Grandiflora (Elisa Fonrobert). Large flowering.....	15
“ Alba. White.....	15
“ Victoria. Dwarf. Sky-blue flowers, the best for pot culture.....	15
“ Alba. Pure white. New.....	15

	Pkt.
<b>Rupicula</b> , Porcelain. Quite dwarf. Excellent for pots.	\$o 20
One packet of each of the above 7 varieties for....	75

### MIGNONETTE (RESEDA ODORATA).

The mignonette is universally esteemed for its delicate perfume and singularly pretty spikes of bloom. It is without doubt one of the most popular annuals grown.

Sow in open ground early in spring, and thin out well, only leaving the strongest. This plant does not bear transplanting.

	Pkt.
<b>Odorata</b> , good variety.....	\$o 05
<b>Grandiflora</b> , large-flowered, fine.....	5
“ <b>Aurea</b> (Golden Queen). Effective.....	5
“ <b>Crimson Queen</b> , Red-flowered.....	5
“ <b>Gabrille</b> , robust, red-flowered, fine.....	10
“ <b>Gigantea pyramidalis</b> (Giant Pyramidal).....	5
“ <b>Machet</b> , excellent for pots, very fine.....	10
“ <b>Multiflora compacta</b> , very good.....	5
“ <b>Pumila erecta</b> , dwarf. Excellent for pots.	10
“ <b>Spiralis</b> (Miles's Spiral). Beautiful.....	5
Mixed, all varieties.....	5
One packet of each of the above 10 varieties for...	50
	Oz.
<b>Manda's Choice Mixture</b> .....	\$o 45

### POPPIES (PAPAVER).

This family comprises some of the finest gems to be found in the flower garden. The various gorgeous colored flowers are borne profusely, in early summer, on long, graceful stems, producing one of the grandest effects imaginable when planted in masses.

The annual varieties of this beautiful plant should be sown in the open ground in May. Great care must be taken when thinning out not to disturb the plants intended to remain. The herbaceous varieties should be sown in a coldframe, and pricked off in small pots, transplanting when the weather permits in the garden, where they are not likely to be disturbed. Both the Annual and Perennial varieties should not be transplanted after they reach flowering size.

### POPPIES, ANNUAL.

	Pkt.
<b>Papaver Danebrog</b> . Brilliant scarlet with silver gloss.	\$o 05
“ <b>glaucum</b> . The new Tulip Poppy, rich red...	10
“ <b>umbrosum</b> . Red with black blotches.....	5
“ <b>Double carnation</b> . Finest mixed.....	5
“ “ <b>Pæony-flowered</b> . Finest mixed.....	5
“ “ <b>dwarf Pæony-flowered</b> , mixed .....	5
“ “ <b>dwarf Carnation</b> . Finest mixed .....	5
“ <b>Cardinale</b> (Cardinal Poppy). New.....	5
“ <b>Dwarf Ranunculi-flowered</b> . Finest mixed .....	5
<b>Manda's choice mixture of Annual varieties</b> .....	5
One packet of each of the above ten kinds for....	40
	Oz.
<b>Manda's Finest Mixture</b> .....	\$o 75

### POPPIES, PERENNIAL.

	Pkt.
<b>Papaver alpinum</b> .....	\$o 10
“ <b>bracteatum</b> . Scarlet, fine color .....	5
“ <b>involucratum maximum</b> . Scarlet.....	5
“ <b>nudicaule</b> (croceum). Yellow, very fine.....	10
“ “ <b>fl. pleno</b> . New, very fine.....	10
“ “ <b>album</b> . White, splendid.....	10
“ “ <b>aurantiacum</b> (miniatum). Orange.....	10
“ <b>orientale</b> . The darkest red, fine.....	15

	Pkt.
<b>Manda's Choice Mixture</b> of all Perennial kinds.....	\$0 05
One packet of each of the 8 Perennial kinds for....	75
One of each of the Perennial and Annual sorts, the 18 kinds for.....	1 00

**CANDYTUFT (IBERIS).**

Flowering profusely during summer, and being suitable for beds, edgings and borders, give this a prominent position in the flower garden. It is also valuable for cutting.

Sow in the open ground in May, and thin out so that they may have plenty of room to develop.

	Pkt.
<b>Affinis.</b> White dwarf, extra fine.....	\$0 05
<b>Coronaria (hesperidiflora).</b> Rocket Candytuft.....	5
“ <b>Empress.</b> Pure white candelabrum.....	5
<b>Umbellata alba.</b> Creamy white, fine.....	5
<b>Gibraltarica hybrida.</b> Very dwarf, extra fine.....	10
<b>Sempervirens.</b> White, very fine, hardy.....	10
Mixed all colors.....	5
One packet of each of the above 9 varieties for....	50
	Oz.
<b>Manda's Finest Mixture</b> .....	\$0 40

**AQUILEGIA (COLUMBINE).**

For spring and early summer decoration there is no plant among the hardy herbaceous varieties that makes such a display as the Columbine, with its profusion of large flowers, varying and combining all the colors imaginable. If sown in February, potted and planted in April, they will make a grand show the following year. They are well adapted for borders, rockwork or wild gardens.

	Pkt.
<b>Alpina,</b> blue, early .....	\$0 10
<b>Bicolor fl. pleno,</b> blue and white.....	10
<b>Californica hybrida,</b> fine variety.....	10
<b>Canadensis,</b> scarlet and yellow.....	5
<b>Caryophylloides fl. pl.</b> striped varieties... ..	10
<b>Chrysantha,</b> golden yellow, fine .....	10
“ <b>grandifl. alba,</b> semi-dwarf.....	25
<b>Cœrulea,</b> very beautiful species.....	25
“ <b>hybrida (haylodgensis),</b> large sulphur-yellow flowers, blue spurs and sepals.....	10
<b>Flabellata nana alba,</b> white semi-dwarf .....	10
<b>Formosa fl. pleno,</b> blue, large flowers .....	10
“ <b>rubra fl. pleno,</b> reddish var. ....	10
<b>Glandulosa (major),</b> dark blue.....	15
“ <b>vera,</b> very beautiful.....	25
<b>Jucunda fl. pleno,</b> copper-rose.....	10
<b>Leptoceras lutea,</b> yellow dwarf .....	25
<b>Nivea grandifl.,</b> creamy white.....	10
<b>Olympica,</b> large blue flowers .....	10
<b>Skinneri,</b> scarlet tipped with green.....	10
“ <b>hybrida fl. pl.,</b> new fine.....	10
<b>Spectabilis,</b> dark blue, very fine.....	10
<b>Stellata fl. pl.,</b> erect-flowered.....	10
“ “ <b>alba,</b> rare variety.....	10
<b>Stuarti,</b> flowers 4-inch in diameter .....	25
<b>Truncata,</b> scarlet and yellow dwarf, earliest.....	25
<b>Vervæneana fol. varieg.,</b> beautiful.....	10
<b>Vulgaris fl. pl.,</b> double varieties, mixed .....	10
“ <b>alba fl. pl.,</b> double white .....	10
“ <b>fol. aureis,</b> new, very fine.....	25
<b>Manda's Choice Mixture</b> of above varieties.....	10
One packet of each of the above 29 varieties for... 2	75



**PENTSTEMON.**

Hardy herbaceous plants, of a highly ornamental character, graceful in habit, and remarkable for their abundance as well as individual beauty of their tubular blossoms.

They are of easy culture, and enjoy a good, rich soil and sunny exposure.

	Pkt.
<b>Campanulatus.</b> Light blue.....	\$0 10
<b>Clevelandi.</b> Red, fine variety.....	10
<b>Cobæa.</b> Large white, shaded with blue.....	10
<b>Cordifolius.</b> Scarlet, dwarf, fine.....	10
<b>Digitalis.</b> White tinted with violet.....	5
<b>Glaber.</b> Dwarf blue, fine.....	10
<b>Gentianoides (Hartwegi hybridus).</b> .....	10
<b>Jeffreyanus.</b> Sky-blue, extra fine.....	10
<b>Lobbi.</b> Yellow, very showy.....	10
<b>Murrayanus.</b> Scarlet, very fine.....	10
<b>Ovatus.</b> Blue, very beautiful.....	10
<b>Puniceus.</b> New brilliant scarlet.....	10
<b>Speciosus.</b> Blue, very fine.....	10
<b>Spectabilis.</b> Blue and red, beautiful.....	10
<b>Wrighti.</b> Brilliant scarlet, very showy.....	10
<b>Manda's Finest Mixed,</b> all colors.....	10
One packet of each of the above 15 varieties for. . .	1 25

**CAMPANULA (HAREBELL).**

Some of the most beautiful plants we have when in bloom. They are of a very robust habit, forming perfect pyramids of bloom. The flowers, of beautiful shades, are about three inches in length, and are produced in great profusion.

They last in perfection for weeks during the early summer. A fine border plant; with the exception of C. Medium, or Canterbury Bells, they are all hardy perennials.

	Pkt.
<b>Medium (Canterbury Bells).</b> Single blue.....	\$0 05
“ <b>flore pleno.</b> Double blue.....	10
“ <b>alba.</b> Single. Pure White.....	5
“ “ <b>fl. pleno.</b> Double. Pure White.....	10
“ <b>striata.</b> Striped. Very Fine. ....	5
“ <b>calycanthema blue.</b> { Very fine varieties { ...	10
“ “ <b>alba.</b> { ...	10
“ “ <b>striata.</b> Very pretty.....	10
“ “ <b>rosea (Benary).</b> New.....	10
<b>Manda's Choice Mixture of Canterbury Bells.</b> Fine.....	5
<b>Persicifolia.</b> Blue. Tall.....	10
<b>Pyramidalis.</b> Blue. } Most beautiful { .....	5
“ <b>alba.</b> White. } sorts. { .....	10
<b>Speculum procumbens.</b> Fine Annual.....	5
Fine Mixture of the above .....	5
One packet each above 15 varieties for.....	1 25

**FOXGLOVE (DIGITALIS).**

An old favorite that should be in every garden. It grows 2 to 4 feet high, bearing large spikes of richly colored flowers in June and July. It does best in rich, warm soil, and although a Perennial, it is best to raise new stock every second year, which is easily done by sowing the seeds early and transplanting same when the spring opens.

	Pkt.
<b>Canariensis.</b> Yellow.....	\$0 15
<b>Gloxiniæflora purple.</b> {	5
“ <b>alba.</b> { Very beautiful class, { ..	5
“ <b>rosea.</b> { with spotted flowers. { ..	5
“ <b>finest mixed.</b> }	5

	Pkt.
<b>Grandiflora.</b> Yellow dwarf, fine.....	\$0 05
<b>Maculata superba</b> (Ivory spotted).....	5
<b>Monstrosa.</b> Splendid mixed, beautiful.....	5
<b>Purpurea alba.</b> Very beautiful.....	5
“ <b>rosea.</b> Very fine.....	5
<b>Manda's Choice Mixture</b> of above varieties.....	5
One package of each of the above 11 varieties for..	50

### SCHIZANTHUS.

Popular garden annuals, flowers beautifully fringed and delicately colored. They grow from one to two feet high, and are of easy culture, succeeding well in sunny location and well-drained soil.

	Pkt.
<b>Grahami,</b> red.....	\$0 05
<b>Grandiflorus oculatus,</b> purple.,.....	5
<b>Papilionaceus,</b> purple, with dark violet, yellow, crimson, etc., charming.....	5
<b>Pinnatus,</b> blue floriferous.....	5
<b>Retusus,</b> red, fine variety....	5
<b>Manda's Choice Mixed,</b> very showy.....	5
All colors mixed.....	5
One packet of each of the above 7 varieties for....	25

### TAGETES (DOUBLE MARIGOLD).

One of the most popular garden flowers, doing well in most any situation, and being very effective planted in groups or for massing. The plants grow bushy and are covered with flowers all summer. They have been greatly improved lately in size and doubleness. Sow in March in frames or greenhouse; transplant to open ground in May, about fifteen inches apart.

#### African Marigold.

	Pkt.
<b>Erecta fl. pleno aurea,</b> tall orange.....	\$0 05
“ “ “ <b>sulphurea,</b> tall lemon.....	5
“ “ “ <b>fistulosa aurea,</b> yellow quilled.....	5
“ “ “ “ <b>sulphurea,</b> quilled sulphur color.....	5
“ “ “ <b>nana aurea,</b> dwarf yellow.....	5
“ “ “ “ <b>sulphurea,</b> dwarf sulphur.....	5
“ <b>Tall African Sorts,</b> fine mixed.....	5
“ <b>Dwarf</b> “ “ “ “ .....	5
<b>Manda's Choice Mixed.</b> .....	Oz. \$0 50

#### French Marigold.

	Pkt.
<b>Patula fl. pl. aurea,</b> orange.....	\$0 05
“ “ “ <b>pumila,</b> semi-dwarf.....	5
“ “ “ <b>pulchra,</b> yellow and brown.....	5
“ “ “ <b>ranunculoides,</b> dark brown.....	5
“ “ “ <b>striata,</b> yellow and brown striped.....	5
“ “ “ <b>nana,</b> dwarf crown.....	5
“ “ “ “ <b>aurea,</b> very fine.....	5
“ “ “ “ <b>fistulosa.</b> .....	5
“ “ “ “ <b>grandifl.,</b> new large flowering.....	10
“ “ “ “ <b>pulchella,</b> very fine.....	5
“ “ “ “ <b>striata,</b> dwarf striped.....	5
“ “ “ “ <b>sulphurea,</b> fine.....	5
“ <b>Tall Double French.</b> mixed.....	5
“ <b>Dwarf</b> “ “ “ “ .....	5
<b>Manda's Finest Mixture</b> of all the above.....	5
One packet of each of the above 25 varieties for...	1 00
<b>Manda's Choice Mixed.</b> .....	Oz. \$0 50

**IMPOMŒA (Moon Vines).**

Very rapid-growing summer climbers. Among our prettiest for covering fences, trellises, arbors or anything that they can cling to.

They delight in a warm, sunny situation, and under these conditions will grow luxuriantly. Sow in the open ground as soon as all danger of frost is past, or earlier indoors, and plant out in May.

	Pkt.
<b>Bona Nox.</b> Large Blue Flowers.....	\$0 05
<b>Grandiflora Alba.</b> (Mexicana.).....	10
<b>Hederacea Grandiflora Superba.</b> Sky-blue, white-mar- gined.....	15
“ “ “ <b>Alba</b> .....	5
“ “ “ <b>Atroviolacea.</b> .....	5
“ “ “ <b>Fol. Marmoratis.</b> .....	5
<b>Purpurea (Convolvulus Major).</b> Mixed.....	5
<b>Quamoclit (Cypress Vine).</b> Scarlet.....	5
“ <b>Alba.</b> Pure white.....	5
<b>Manda's Finest Mixed,</b> all sorts.....	5
One packet of each of the above 10 varieties for....	50

**DIANTHUS (Pinks).**

Highly valued for their great beauty and the fragrance of their flowers, which embrace the most brilliant and rich variety of colors.

They make splendid bushy plants, which are indispensable for beds and borders.

As they are very free flowering and one of the best garden flowers for cutting, no one should be without them. They also make very beautiful pot plants. Sow early in frames or greenhouse, and plant out in May.

	Pkt.
<b>Barbatus fl. pl.</b> Double mixed. Extra fine.....	\$0 10
“ “ <b>Albus.</b> New white....	10
“ <b>Dunnetti fl. pl.</b> Fine variety.....	10
“ <b>Nanus Compactus fl. pl.</b> New.....	10
“ <b>Oculatus Marginatus.</b> (Hunt's Perfection.)...	10
“ “ “ <b>fl. pl.</b> Fine.....	10
<b>Chinensis fl. pl.</b> Finest double mixed.....	10
“ <b>Albus fl. pl.</b> Double white.....	10
<b>Heddewigi (mixed).</b> The finest Annual.....	10
“ <b>Hybridus fl. pl.</b> Choice mixed.....	10
“ “ <b>Albus fl. pl.</b> Double white.....	10
“ “ <b>Diadematus fl. pl.</b> (Diadem Pink.).....	10
“ <b>Laciniatus fl. pl.</b> Finest double.....	10
<b>Imperialis fl. pl.</b> (Double Imperial Pink.) Fine....	10
“ <b>Albus fl. pl.</b> Double white.....	10
“ <b>Nanus Albus fl. pl.</b> Dwarf white.....	10
<b>Plumarius Albus fl. pl.</b> “Virginal.” Pure white.....	10
<b>Manda's Finest Mixed,</b> all sorts.....	10
One packet of each of the above 17 varieties for.,	1 50
<b>Manda's Finest Mixture</b> .....	Oz. \$1 25

**GOMPHRENA (EVERLASTING).**

Another pretty summer garden annual, of a vigorous habit. The various colored flowers are produced in great profusion all summer, until killed by frost. Sow in spring, and transplant as soon as the weather permits, twelve to fifteen inches apart. Like all Everlastings, the flowers can be preserved a long time after being cut.

	Pkt.
<b>Gomphrena aurea superba (Haageana).</b> Orange.....	\$0 05
“ <b>globosa alba</b> (Globe Amaranth).....	5
“ “ <b>carnea,</b> flesh.....	5
“ “ <b>rosea,</b> new.....	5
“ “ <b>rubra,</b> purple.....	5
“ “ <b>variegata,</b> striped.....	5

Pkt.

<b>Manda's Choice Mixture</b> of the above.....	\$0 05
One packet of each of the above 7 varieties for...	25

**XERANTHEMUM (EVERLASTINGS).**

A showy annual of the easiest culture. The various colored flowers, which have a peculiar dry character, may be cut and preserved for a long time. Sow early indoors, and transplant out in May.

Pkt.

<b>Annum plenissimum</b> .....	\$0 10
“ <b>atropurpureum extra</b> .....	5
“ <b>plenissimum album</b> } very { .....	5
“ “ <b>imperiale</b> } fine { .....	5
“ “ <b>roseum</b> } varieties { .....	5
“ <b>superbissimum fl. pl.</b> .....	5
“ “ <b>album fl. pl.</b> } pompon { ..	5
“ “ <b>imperiale fl. pl.</b> } flowered { ..	5
“ “ <b>roseum fl. pl.</b> } ..	5
“ <b>double sorts, finest mixed</b> .....	5
<b>Manda's Mixed, all colors</b> .....	5
One packet of each of the above 10 varieties for..	40

**CALENDULA (MARIGOLD).**

A dwarf-growing bushy annual, blooming continuously and abundantly all summer until killed by frost. Sow in March, and, when large enough, plant in boxes or pots, and as soon as the weather is favorable, into the open ground, about fifteen inches apart. They are indispensable for the summer garden or for pot culture during winter.

Pkt.

<b>C. officinalis fl. pl. grandiflora.</b> New, beautiful.....	\$0 05
“ “ <b>Le Proust</b> .....	5
“ “ <b>grandiflora sulphurea.</b> New, very fine.....	5
“ “ <b>Meteor.</b> Striped light orange.....	5
“ “ <b>Prince of Orange.</b> Extra fine.....	5
“ <b>pluvialis (Cape Marigold).</b> White flowering.....	5
“ <b>Pongei fl. pleno.</b> White double flowers, beautiful.....	5
<b>Manda's Mixed, all varieties</b> .....	5
One packet of each of the above 6 varieties for....	25
<b>Manda's Choice Mixed</b> .....	Oz. \$0 25

**CALLIOPSIS (COREOPSIS).**

This beautiful class of showy summer blooming plants, with large bright flowers borne in great profusion all summer long, are worthy of a place in every garden.

They are elegant for massing, and fine for cutting. Sow in open ground in May, and, when large enough, thin out, so that they will have plenty of room for development; or sow indoors, and plant out after all danger of frost is past.

Pkt.

<b>Atkinsoni.</b> Yellow and brown.....	\$0 05
<b>Bicolor marmorata.</b> Yellow and red-brown.....	5
“ <b>nana.</b> Dwarf, fine variety.....	5
<b>Cardaminifolia bicolor.</b> Handsome strain.....	5
<b>Coronata.</b> Yellow, large-flowered, very fine.....	5
<b>Drummondii (basalis picta).</b> Very good variety.....	5
<b>Manda's Mixture, all colors</b> .....	5
One packet of each of the above 6 varieties for....	25
<b>Manda's Choice Mixed</b> ....	Oz. \$0 35



### GODETIA.

Very attractive and handsome annuals, of a dwarf, compact habit. A great peculiarity of the many-colored flowers is that they glisten in the sunlight like satin. Sow in the open ground in May, thin out, and transplant about ten inches apart.

	Pkt.
Amœna. Dark rose.....	\$0 05
Duchess of Albany. Large-flowered.....	5
Fairy Queen. Large white. <i>Splendid</i> .....	15
Grandifl. Maculata. White with crimson spots.....	5
Pearl. Lilac with red spots. Dwarf.....	5
The Bride. Crimson and white. Fine.....	5
White Pearl. Pure white. Excellent.....	10
Whitneyi. Very attractive.....	5
“ Lady Albemarle. Dark crimson.....	5
“ Satin Rose ( <i>compacta Brilliant</i> ). Bright carmine. Effective.....	10
Manda's Choice Mixed of the above.....	5
One packet of each of the above varieties for.....	50
	Oz.
Manda's Choice Mixed.....	\$0 65

### ZINNIA.

One of the most striking garden annuals, producing a perfect mass of flowers until killed by frost.

There is no plant which has such a diversity in the gorgeous shadings of its flowers.

As a cut flower its long stems and good keeping qualities make it very desirable.

Sow in frames or greenhouse in March, or in the open ground in May. When large enough, transplant to about twelve or fifteen inches each way.

	Pkt.
Elegans single, pure white.....	\$0 05
“ “ sulphur yellow.....	5
“ “ scarlet.....	5
“ “ golden yellow.....	5
“ “ crimson.....	5
“ “ finest mixed.....	5
“ fl. pl. Tall Double, pure white.....	5
“ “ “ sulphur yellow.....	5
“ “ “ golden yellow.....	5
“ “ “ flesh.....	5
“ “ “ rose.....	5
“ “ “ lilac.....	5
“ “ “ scarlet.....	5
“ “ “ crimson.....	5
“ “ “ purple.....	5
“ “ “ dark purple.....	5
“ “ “ finest mixed.....	5
“ “ Double Pompon (Darwini fl. pl).....	5
“ “ grandiflora robusta plenissima, Giant.....	5
“ “ “ aurea, golden yellow.....	10
“ “ Lilliput flowered, choice mixed.....	10
“ “ striata, striped (Zebra Zinnia).....	10
Dwarf Double finest mixed.....	5
Tom Thumb double mixed, excellent.....	10
Manda's Choice Mixture of the finest varieties only,...	5
One of each of the above 26 varieties for only.....	1 25
	Oz.
Manda's Choice Mixture.....	\$0 50

### CALCEOLARIA.

Beautiful plants for greenhouse and conservatory decoration.

The curious pocket-shaped flowers are borne in the greatest profusion during the spring and summer. They

vary greatly in color ; some are self-colored, while others are beautifully spotted and blotched. Sow in late summer, in shallow pans ; transplant in thumb pots, and shift as required. They like a cool situation, and will do well in a frame protected from frost.

Pkt.

<b>Grandiflora.</b>	Large-flowered. Fine Strain.....	\$0 50
"	<b>Pumila Compacta.</b> Dwarf. Self-colored.	50
"	<b>Tigrina.</b> Tigered or Spotted. Choice	
	Mixed.....	75
"	<b>Tigrina Pumila Compacta.</b> Dwarf.....	75
"	<b>Striata.</b> New. Striped. Extra Fine.	50
<b>Rugosa.</b>	(Shrubby or Bedding.) The true bedding variety.....	25
<b>Manda's Choice Mixture</b>	of the above .....	50

**Do not** be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it.

You will find the *original* and *only*

# W. A. MANDA

AT THE

## Universal Horticultural Establishment,

### SOUTH ORANGE, N. J.,

where please address all letters and orders intended for me, as I am not in any way connected with the firm that still uses my name.

**SEND ME A TRIAL ORDER.**



	Collection of.	Price.
Poppies, Double Carnation	12	\$0 45
“ “ Pæony flowered	12	45
“ “ Dwarf Pæony flowered	6	30
Portulaca grandiflora	6	30
Salpiglossis variabilis. Tall	6	30
“ “ Dwarf	6	30
Scabiosa. Large-flowered	6	30
“ Dwarf double	12	45
“ “ “	6	30
Senecio elegans nanus fl. pleno. Dwarf double	6	65
Sweet Peas	24	75
“ “	12	45
“ “ Eckford's Hybrids only	12	65
“ “ “ “ “	6	30
Zinnia elegans, single	6	30
“ elegans fl. pl., tall, double	12	75
“ “ “ “ “	6	30
“ Dwarf, double	6	30
Amarantus	12	45
Calliopsis	12	45
Centaurea Cyanus (Cornbottle)	6	30
Chrysanthemum carinatum	12	45
“ “	6	30
Dianthus chinensis and Hedderwigi	12	65
“ “ “	6	30
Reseda (Mignonette)	12	65
“ “	6	30
Tropæolum Lobbi	12	65
“ “	6	30
“ majus (Tall Nasturtium)	12	45
“ Tom Thumb. Dwarf	12	45
Stocks, Tree or Giant Ten-Week	6	45
“ Giant Perfection Ten-Week	12	75
“ “ “ “	6	45
“ Large flowering, Wallflower-leaved	6	45
“ Winter or Biennial Brompton	12	75
“ “ “ “	6	45
“ Wallflower, double	12	I 00
“ “ “	6	65
“ “ single	6	30
Balsams, Dwarf double	12	45
“ “	6	30
“ Double Rose-flowered	12	65
“ “	6	30
“ Double Spotted	12	65
“ “	6	30
“ Improved Camellia-flowered	6	65
“ Perpetual Carnations	12	75
“ “	6	45
Antirrhinum (Snapdragon). Tall	12	65
“ “	6	30
“ Tom Thumb	12	65
“ “	6	30
Cockscombs, Dwarf (Celosia cristata nana)	12	65
“ “ “ “	6	30
Hollyhocks, finest German	12	75
“ “	6	45
Tropæolum Tom Thumb	6	30
Verbena hybrida	6	65
Aquilegia	12	65
“ “	6	30
Dianthus barbatus (Sweet William)	6	30
Digitalis (Foxglove)	12	45
Cyclamen	12	2 00
“ persicum and grandiflorum	6	I 00
Heliotropium	12	75
Primula chin. fimbriata	12	I 75
“ “ “	6	75



	Collection of.	Price.
Everlasting Flowers (Immortelles).....	12	\$0 65
“ “ “ .....	6	30
Ornamental Grasses.....	12	45
“ “ .....	6	30
Ornamental Gourds .....	10	45
“ “ .....	6	30

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---

**SEND ME A TRIAL ORDER.**

## GENERAL COLLECTION OF FLOWER SEEDS.

The following list comprises a complete list of seed that are worth cultivating for the various purposes, and includes Annuals, Hardy Perennials, Tender Greenhouse Plants, Vines, Everlastings, Grasses, Foliage or Flowering Plants. References are made to the foregoing pages where such leading kinds as Aster, etc., are described at length.

	Pkt.
<b>Abutilon.</b> Choice mixed.....	\$0 25
<b>Acacia armata.</b> Yellow flowering, greenhouse plant,	10
" <b>dealbata.</b> Beautiful green foliage.....	5
" <b>lophanta.</b> Good for tropical beds.....	5
<b>Aconitum Napellus (Monk's Hood).</b> Blue flowers.....	10
" <b>Lycotomum.</b> Yellowish white, handsome..	5
" <b>pyramidatum.</b> Blue, very fine.....	5
" <b>uncinatum.</b> Blue, extra fine color.....	5
<b>Acroclinium roseum.</b> Beautiful, everlasting.....	5
" " <b>fl. albo.</b> White flowering.....	5
" " <b>fl. pleno.</b> Double flowered.....	5
" " " <b>album.</b> Double white,	5
<b>Adlumia cirrhosa.</b> Beautiful climber, fernlike foliage,	5
<b>Ageratum Mexicanum, Imperial Dwarf.</b> Blue.....	5
" " " " Pure white....	5
" " <b>Little Dorrit.</b> Blue; for bedding,	5
" " " " White, new.....	5
<b>Agrostemma coronaria (Rose Champion).</b> Red flowers,	5
" " <b>alba.</b> White variety.....	5
" " <b>atrosanguinea.</b> Very dark red...	5
" <b>flos Jovis.</b> Rose flowering, very fine....	5
<b>Alonsoa linifolia (Roezl).</b> Beautiful scarlet flowers...	5
" <b>Myrtifolia (acutifolia).</b> Bright scarlet, fine....	5
" <b>Warscewiczii.</b> Brilliant scarlet, very fine....	5
<b>Althea rosea.</b> Single mixed.....	10
" " Double white.....	10
" " " rose.....	10
" " " salmon.....	10
" " " scarlet.....	10
" " " yellow.....	10
<b>Manda's Finest Mixture.</b> .....	10
<b>Alyssum Argenteum.</b> Evergreen perennial, yellow...	5
" <b>Benthami maritimum (Sweet Alyssum).</b> White,	5
" " <b>compactum erectum.</b> Dwarf var....	5
" <b>Saxatile.</b> Yellow flowered, perennial.....	5
" " <b>compactum.</b> Good for edging.....	5
<b>Amarantus.</b> See page 30.....	5
<b>Anagallis grandiflora.</b> Choice, mixed. Good annual,	5
<b>Anchusa angustifolia.</b> Azure blue, pretty, perennial,	5
" <b>Barrelieri.</b> Earliest dwarf, dark blue, fine..	10
<b>Antirrhinum (Snapdragon) major.</b> Tall, mixed.....	5
" (Tom Thumb). Dwarf varieties, choice,	5
<b>Aquilegia.</b> See page 35.	
<b>Arabis Alpina.</b> White, flowering dwarf, perennial..	10
<b>Aralia Sieboldi.</b> Splendid room plant.....	10
<b>Argemone Mexicana.</b> Light yellow flowered, annual,	5
<b>Armeria cephalotes.</b> Rose, a beautiful variety.....	5
" <b>maritima splendens (Laucheana),</b> fine dark....	5
<b>Arundo Donax foliis variegatis.</b> Very effective grass..	10
<b>Asclepias Curassavica</b> .....	5
<b>Asperula Odorata (Woodroof).</b> White, sweet scented,	5
<b>Asters.</b> See page 26.	
<b>Aubrietia Leichtlini.</b> Large, rosy carmine flowers, fine,	10
<b>Auricula.</b> See <i>Primula Auricula</i> , page 33.	
<b>Balsams.</b> See page 31.	
<b>Baptisia Australis.</b> Light blue, handsome perennial,	5

	Pkt.
<b>Begonia.</b> Single tuberous rooted.....	\$0 25
“ Double “ “ .....	50
“ <b>Semperflorens</b> .....	25
“ “ <b>Vernon</b> .....	25
<b>Begonia Rex.</b> Ornamental leaved plant.....	25
<b>Bellis perennis fl. pl.</b> Choice mixed.....	15
“ “ <b>alba fl. pl.</b> Double white flowers.....	15
<b>Browallia elata.</b> Blue, handsome, annual.....	5
“ “ <b>alba.</b> Pure white, very fine.....	10
<b>Cacalia coccinea</b> ( <i>Emilia flammea</i> ). Double, red flowers,	5
“ “ <b>lutea</b> ( <i>aurantiaca</i> ). Yellow var.....	5
<b>Calandrinia umbellata.</b> Crimson flowered, perennial,	5
<b>Calceolaria.</b> See page 40.	
<b>Calendula</b> (Marigold). See page 39.	
<b>Calliopsis</b> ( <i>Coreopsis</i> ). See page 39.	
<b>Campanula</b> , Canterbury Bell. See page 36.	
<b>Canna.</b> Choice hybrid varieties only.....	25
“ <b>Madame Crozy</b> .....	10
<b>Candytuft.</b> See page 35.	
<b>Capsicum annum</b> , Little Gem. Market plant.....	5
“ “ <b>Prince of Wales.</b> Lemon.....	5
“ “ <b>Tom Thumb.</b> Scarlet fruit.....	5
<b>Carnations.</b> Tree, or perpetual double flowered....	25
“ “ <b>Grenadine</b> , single red.....	10
“ “ “ double red.....	25
“ “ <b>Early dwarf Vienna</b> .....	10
“ “ <b>Dwarf perpetual</b> .....	50
“ “ <b>Margaret</b> , white.....	25
“ “ “ <b>Choice mixed</b> .....	10
<b>Castilleja indivisa.</b> A very effective novelty.....	15
<b>Catananche cœrulea.</b> Perennial, everlasting.....	5
“ “ “ <b>fl. albo</b> (bicolor), white variety,	5
<b>Celosia cristata</b> (Cockscomb) <b>nana.</b> Finest mixed....	10
“ “ <b>nana Empress</b> (Giant Maxima). Purple,	10
“ “ “ <b>Glasgow Prize</b> (President Thiers),	15
“ <b>Huttoni.</b> Dark leaves, very ornamental....	10
“ <b>pyramidalis</b> ( <i>plumosa</i> ). Crimson improved..	5
“ “ <b>plumosa</b> , <i>Triomphe de l'Exposition</i> (Thompsoni)....	10
<b>Centaurea argentea vera</b> ( <i>Candidissima ragusina</i> ).....	10
“ <b>Babylonica.</b> Dark yellow, very fine.....	5
“ <b>Cyanus</b> (Corn Flower).....	5
“ “ <b>fl. pleno.</b> Semi-double variety.....	5
“ “ “ ( <i>Victoria</i> ). Miniature flowers, new,	10
“ <b>Moschata.</b> Extra choice mixed.....	5
“ <b>suaveolens</b> (Sweet Sultan). Yellow flowers,	5
<b>Chelone barbata Torreyi.</b> Dark red, very fine perennial,	5
<b>Chrysanthemum carinatum</b> (Tricolor) <b>album</b> , white.....	5
“ “ “ <b>atrococcineum</b> (The Sultan),	5
“ “ “ <b>Burridgeanum</b> .....	5
“ “ “ (Eclipse). Brown and yellow	5
“ “ “ (Golden Feather.) With	
“ “ “ yellow leaves.....	5
“ “ <b>coronarium fl. pleno.</b> Double yellow...	5
“ “ “ <b>album fl. pleno.</b> White.....	5
“ “ <b>indicum.</b> Choicest varieties only.....	25
<b>Cineraria maritima</b> ( <i>Candidissima</i> ). White-leaved...	5
“ <b>hybrida.</b> See page 31.	
<b>Clarkia elegans.</b> Fine mixed, double and single....	5
“ <b>pulchella.</b> Fine mixed, very fine .....	5
<b>Cobæa scandens.</b> A very fine climber.....	10
“ “ <b>fl. albo.</b> White flowers, very fine..	10
<b>Coleus hybrids.</b> Finest mixture.....	25
<b>Collinsia.</b> Fine mixed, good Annual.....	5
<b>Collomia coccinea.</b> Very pretty.....	5
<b>Commelina cœlestis</b> ( <i>tuberosa</i> ). Blue, for pots.....	5
“ “ <b>alba.</b> White flowers.....	5
<b>Convolvulus tricolor</b> (Minor), (Morning Glory).....	5

	Pkt.
<i>Convolvulus tricolor albus</i> . Pure white, fine.....	\$0 05
“ “ <i>albus fl. pl.</i> Double white, fine...	5
“ “ <i>azureus fl. pleno</i> . Double blue....	5
“ “ <i>kermesinus violaceus</i> . Crimson....	5
“ “ <i>striped (variegatus)</i> . New fine...	5
<i>Cosmidium Burridgeanum</i> . Brown, very handsome...	5
<i>Crucianella stylosa purpurea</i> . Trailing Perennial.....	5
<i>Cyclamen</i> . See page 29.	
<i>Dahlia</i> . Double large-flowered, best quality, mixed.	15
“ Single varieties, splendid, mixed.....	10
“ “ Tom Thumb, new dwarf, splendid.	15
<i>Datura Cornucopia</i> . Very showy plant.....	10
<i>Dianthus</i> . See page 38.	
<i>Digitalis</i> . See Foxglove, page 36.	
<i>Dolichos Lablab</i> (Hyacinth Bean). Purple flowers...	5
<i>Elymus Caput Medusæ</i> . Fine grass for groups.....	5
Manda's choice mixture .....	5
<i>Erianthus Ravennæ</i> . Very ornamental grass.....	5
<i>Erysimum pulchellum</i> . Yellow, perennial dwarf .....	5
<i>Erythrina Christa-galli</i> (Coral Tree) .....	15
<i>Eschscholtzia Californica</i> . Yellow flowered.....	5
“ “ <i>alba</i> . Pure white.....	5
“ “ <i>carminea</i> . Rose Cardinal..	5
“ <i>crocea</i> . Orange yellow flowers, fine ..	5
“ “ <i>fl. pleno</i> . Double orange.....	5
“ <i>Mandarin</i> . New, deep orange, splendid.	5
<i>Festuca glauca</i> . Ornamental grass for borders .....	10
<i>Four O'clock</i> . See <i>Mirabilis</i> .	
<i>Fuchsia hybrida</i> . Single, choice, mixed.....	25
“ “ Double, “ “ .....	25
<i>Gaillardia grandifl.</i> Very handsome, perennial .....	5
“ “ <i>maxima</i> . Yellow, extra fine.....	10
“ <i>picta</i> . Red and yellow, beautiful, annual.	5
“ “ <i>Lorenziana</i> . Double, fine for cutting.	5
<i>Galega officinalis</i> (Goat's Rue). Blue perennial .....	5
“ “ <i>alba</i> . White, very ornamental .....	5
<i>Gaura Lindheimeri</i> . White, flowers all summer.....	5
<i>Geum coccineum atrosanguineum fl. pleno</i> . Scarlet.....	10
<i>Gilia</i> . Tall sorts, choice mixed, beautiful, annual..	5
“ Dwarf “ “ “ “ “ “ .....	5
<i>Gladiolus</i> . American hybrids, splendid varieties...	10
“ <i>Lemoinei</i> . Extra fine choice mixed.....	10
<i>Gloxinia grandifl. crassifolia</i> . Choice mixed.....	25
<i>Gnaphalium Leontopodium</i> (Edelweiss). Interesting..	10
<i>Godetia</i> . See page 40.	
Golden Feather ( <i>Pyrethrum parthenifolium aureum</i> ).....	5
<i>Gossypium herbaceum</i> (Cotton) .....	5
<i>Grevillea robusta</i> . A very good market plant.....	10
<i>Gypsophila acutifolia</i> . Perennial rose flowers.....	5
“ <i>paniculata</i> . White, excellent for bouquets.	5
“ “ <i>compacta</i> . Semi-dwarf, fine...	5
“ <i>repens</i> . White dwarf for rockwork .....	5
<i>Hedysarum coronarium</i> (French Honeysuckle) Red..	5
“ “ <i>album</i> . White-flowered, fine ..	5
<i>Helianthus annuus</i> (Russian Giant). Single flowers..	5
“ “ (Henry Wilde). Very tall, single.	5
“ “ (Primrose-colored), sulphur yellow.	5
“ <i>argyrophyllus</i> . A very ornamental plant...	5
“ <i>californicus fl. pleno</i> . Double flowers, fine..	5
“ <i>globosus fistulosus fl. pl.</i> Very large .....	5
“ <i>nanus fol. variegatis</i> . Ornamental leaves...	5
“ <i>mollis grandiflorus</i> . Perennial, very fine...	10
<i>Heliotropium</i> . Extra choice mixed.....	10
<i>Hesperis matronalis</i> . Purple, very beautiful strain ..	5
“ “ <i>alba</i> (Sweet Rocket). White....	5
“ “ <i>nana candidissima</i> . Pure white...	10
<i>Heuchera sanguinea</i> . Crimson, excellent for cutting.	15
<i>Hieracium villosum</i> . Yellow, very fine, new Perennial.	5



	Pkt.
<i>Humulus japonicus</i> fol. varieg. Beautiful climber.....	\$0 10
<i>Iberis</i> . See Candytuft, page 35.	
<i>Ice Plant</i> ( <i>Mesembryanthemum crystallinum</i> ) .....	5
<i>Impatiens Sultani hybrida</i> . Choice Greenhouse plant ..	15
<i>Ipomœa</i> . See page 38.	
<i>Ipomopsis elegans</i> (picta). Red flowered, fine.....	5
<i>Iris Kaempferi</i> . Extra choice mixed varieties.....	10
<i>Lantana hybrida</i> . Finest mixed .....	5
<i>Lathyrus latifolius</i> (Everlasting Pea). Red flowered..	5
“ “ <i>albus</i> . White, beautiful variety ...	10
“ <i>odoratus</i> . See Sweet Peas, page 29.	
<i>Lasiagrostis argentea</i> . Grass with silvery panicles...	5
<i>Leptosyne maritima</i> . Yellow flowers, very fine .....	5
<i>Linaria bipartita</i> . Fine mixed.....	5
“ <i>Cymbalaria</i> (Kenilworth Ivy). Beautiful.....	10
“ <i>reticulata aureo-purpurea</i> . Yellow and purple ..	5
<i>Linum campanulatum grandifl.</i> Yellow Perennial.....	10
“ <i>flavum</i> . Yellow flowers, fine hardy plant ....	5
“ <i>grandiflorum rubrum</i> (Verum). Scarlet, large ..	5
“ <i>Lewisi</i> . Blue flowers, very handsome, hardy.	5
“ <i>perenne</i> (Perennial Flax). Blue, very fine....	5
“ “ <i>album</i> . Pure white.....	5
<i>Loasa hispida</i> . Golden yellow, beautiful variety....	10
“ <i>tricolor</i> . Orange, red and green.....	5
“ <i>Wallisi</i> (Vulcanica). White and red.....	5
<i>Lobelia Cardinalis</i> (Scarlet). Splendid. Perennial..	20
“ “ <i>hybrida</i> . Perennial hybrids, choice.	20
“ <i>Erinus</i> . Crystal Palace ( <i>speciosa</i> ). Dark blue..	10
“ “ <i>erecta</i> . Crystal Palace ( <i>compacta</i> ). For carpet beds.....	10
<i>Lunaria biennis</i> (annua). (Honesty.) Garden plant..	5
“ “ <i>alba</i> . Pure white, very fine.....	5
“ “ <i>variegata</i> . Green and white leaves...	5
<i>Lupinus polyphyllus</i> . Perennial, finest mixed.....	5
“ “ <i>albus</i> . Pure white flowers.....	5
“ “ <i>atrocœruleus</i> . Sky blue.....	5
“ “ <i>atropurpureus</i> . Very fine.....	5
“ Annual. Sorts mixed... ..	5
<i>Lychnis chalconica</i> . Scarlet, fine, perennial.....	5
“ “ <i>alba</i> . Pure white variety....	10
“ <i>Haageana atrosanguinea</i> . Fine.....	10
“ “ <i>hybrida</i> . Choice mixed varieties...	10
“ <i>Lagascæ</i> ( <i>Petrocoptis</i> ). Rose, good for pots..	10
“ <i>Viscaria splendens</i> ( <i>coccinea</i> ). Early perennial.	5
<i>Lythrum roseum superbum</i> . Very fine, perennial....	5
<i>Malope grandiflora alba</i> . Large flowered, white.....	5
“ “ <i>purpurea</i> . Handsome.....	5
<i>Malva Crispa</i> . Curled, tall, very fine.....	5
“ <i>moschata</i> . Rose, sweet scented, fine variety,	5
“ “ <i>alba</i> . Pure white flowers, fine.....	10
<i>Martynia formosa annua</i> ( <i>Craniolaria fragrans</i> ).....	5
“ <i>lutea</i> . Yellow flowers.....	5
“ <i>proboscidea</i> . Reddish white flowers, fine..	5
<i>Matricaria capensis fl. pleno</i> (Feverfew). White....	5
“ <i>eximia</i> “ “ double, pure white.....	5
“ “ <i>grandifl. fl. pl.</i> (Tom Thumb)... ..	5
<i>Maurandia albiflora</i> . Pure white, beautiful climber..	10
“ <i>Barclayana</i> . Blue flowered, handsome....	10
“ <i>Semperflorens</i> . Reddish blue, very fine...	10
<i>Melica altissima atropurpurea</i> . Very fine grass.....	5
“ <i>ciliata</i> . For bouquets, very fine.....	5
<i>Mesembryanthemum crystallinum</i> . See Ice Plant.	
“ <i>tricolor</i> . Bright annual.....	5
<i>Michauxia campanulata</i> . White bell-shaped flowers..	5
<i>Mimosa pudica</i> (sensitive and very interesting plant)	5
<i>Mimulus cardinalis grandifl.</i> (Perfection). Dark red...	10
“ <i>moschatus</i> (Musk Plant). Sweet scented....	10
“ “ <i>compactus</i> . Very fine for pots.....	10
“ <i>tigrinus grandiflorus</i> . Most beautiful varieties.	10

	Pkt.
<b>Mirabilis Jalapa.</b> Four O'clock.....oz. 30c.\$0 05	
“ <b>longiflora.</b> White, sweet scented.....	5
“ “ <b>violacea.</b> Purple, sweet scented.....	5
“ <b>multiflora.</b> Lilac, large flowered, perennial.....	5
<b>Monarda hybrida.</b> Very fine mixed.....	5
<b>Montbretia crocosmiæflora.</b> Choice varieties, mixed..	10
<b>Musa Ensete.</b> The Dwarf banana plant.....	10
<b>Myosotis</b> (Forget-me-not). See page 33.	
<b>Nemesia compacta alba.</b> White flowered.....	5
“ “ <b>bicolor.</b> Blue and white.....	5
“ <b>floribunda.</b> White.....	5
“ <b>versicolor.</b> Blue, lilac and white.....	5
<b>Nemophila discoidalis.</b> Black brown, white margined.....	5
“ <b>insignis.</b> Sky blue, very fine.....	5
“ <b>maculata.</b> White, brown spotted.....	5
<b>Nicotiana colosseæ.</b> Quick growing, effective plant..	15
“ <b>affinis.</b> White, sweet scented.....	5
<b>Nigella damascena fl. pl.</b> Blue (Devil-in-a-Bush).....	5
“ “ <b>alba fl. pl.</b> Double, white variety.....	5
“ <b>hispanica</b> (Love in a Mist). Blue flowered... ..	5
“ “ <b>alba.</b> White, very fine.....	5
<b>Nolana grandiflora.</b> Blue, fine variety .....	5
<b>Oenothera acaulis</b> ( <b>taraxacifolia alba</b> ). Large white... ..	10
“ <b>biennis</b> (Evening Primrose). Yellow.....	5
“ <b>Drummondii.</b> Light yellow, very handsome.....	5
“ <b>Fraseri.</b> Large flowered, yellow, perennial.....	5
“ <b>Macrantha.</b> Golden yellow, perennial.....	5
“ <b>Missouriensis</b> ( <b>macrocarpa</b> ). Perennial.....	5
“ <b>taraxacifolia aurea.</b> Yellow flowers.....	10
<b>Orobis niger.</b> Dark violet flowers, pretty, perennial.....	5
<b>Oxalis.</b> Mixed .....	10
“ <b>sensitiva.</b> A very interesting plant.....	10
<b>Pansy.</b> See page 28.	
<b>Papaver.</b> See Poppies, page 34.	
<b>Pardanthus chinensis.</b> Blackberry Lily, hardy.....	5
<b>Patargonium odoratissimum</b> (apple scented).....	15
“ Scarlet, double ( <b>Zonale fl. pl.</b> ). Mixed..	15
<b>Pentstemon.</b> See page 36.	
<b>Perilla nankinensis foliis atropurpureis laciniatis.</b> Dark..	5
“ “ “ <b>variegatis.</b> New.....	10
<b>Petunia.</b> See page 31.	
<b>Phlox Drummondii.</b> See page 32.	
<b>Platycodon Mariesi</b> ( <b>Wahlenbergia</b> ). Dark blue.....	10
<b>Polemonium cœruleum</b> ( <b>Jacob's Ladder</b> ). Blue, hardy.....	5
“ “ <b>fl. albo.</b> White flowered.....	5
“ “ <b>grandiflorum.</b> Splendid variety..	5
“ <b>flavum.</b> Yellow flowers, very pretty....	5
“ <b>Richardsoni.</b> Early blue-flowered, dwarf.....	10
<b>Portulaca grandiflora.</b> All sorts, choice mixed.....	5
“ “ <b>fl. pleno.</b> Double sorts, finest....	15
“ “ “ Double sorts, fine....	10
<b>Potentilla.</b> Double choice mixed. Fine perennials.....	10
<b>Primula.</b> See page 33.	
<b>Pyrethrum atrosanguineum.</b> Very fine perennial.....	5
“ <b>roseum hybridum.</b> Single choice mixed....	10
“ “ “ <b>fl. pl.</b> Double mixed....	20
“ <b>parthenifolium aureum</b> ( <b>Golden Feather</b> )....	5
“ “ “ ( <b>Golden Gem</b> ).....	5
“ “ “ <b>selaginoides</b> .....	10
<b>Reseda odorata.</b> See Mignonette, page 34.	
<b>Rhodanthe maculata.</b> Beautiful, everlasting.....	5
“ <b>Manglesi</b> rose, extra fine strain.....	5
“ Single sorts, choice mixed.....	5
<b>Ricinus Africanus</b> ( <b>Castor Oil</b> ). For tropical beds... ..	5
“ <b>borboniensis arboreus.</b> Very high growing... ..	5
“ <b>Cambodgensis.</b> Very dark-leaved, extra fine..	5
“ <b>Gibsoni</b> ( <b>Duchess of Edinburgh</b> ). Fine variety.....	5
<b>Ricinus Sanguineus</b> ( <b>Obermanni</b> ).....	5

	Pkt.
<i>Ricinus</i> , Mixed, all sorts.....	\$0 05
<i>Salpiglossis variabilis grandifl.</i> Showy annual.....	5
“ “ <i>nana</i> , dwarf. Fine mixed.....	5
<i>Salvia argentea</i> . Silver-white, very fine.....	5
“ <i>coccinea nana compacta</i> . Dwarf plant.....	5
“ “ <i>lactea</i> . White-flowered form.....	5
“ <i>nutans</i> . Dark blue, beautiful color.....	5
“ <i>patens</i> . Sky-blue, very handsome flowers....	10
“ <i>splendens</i> . Scarlet, splendid for bedding....	10
<i>Sanvitalia procumbens</i> . Golden, single flowers.....	5
“ “ <i>fl. pleno</i> . Double, very fine..	5
<i>Saponaria multiflora (calabrica)</i> . Red-flowered.....	5
“ <i>ocymoides splendens</i> . Perennial.....	5
<i>Scabiosa</i> . White.....	5
“ Flesh color.....	5
“ Rose.....	5
“ Dark red.....	5
“ Lilac.....	5
“ Crimson.....	5
“ Striped.....	5
“ Azure-blue.....	5
“ Purple.....	5
“ <i>caucasica</i> . Lilac, splendid perennial, rare..	10
<i>Schizanthus Grahmi</i> . Red-flowered, pretty annual..	5
“ <i>grandiflorus oculatus</i> . Purple and black..	5
“ <i>papilionaceus</i> . A very beautiful species.	5
“ <i>pinnatus</i> . Blue flowers, very fine plant..	5
“ <i>retusus</i> . Red, splendid color.....	5
“ Manda's Choice Mixed, best varieties only.	5
<i>Schizopetalum Walkeri</i> . White and sweet-scented....	5
<i>Scutellaria Macrantha</i> . Dark blue, fine, perennial...	10
<i>Sensitive Plant (Mimosa pudica)</i> . Interesting plant...	5
<i>Silene armeria</i> . Choice mixed.....	5
“ <i>orientalis compacta</i> . Red-flowered, perennial..	5
“ <i>saxatilis</i> . Pure white, very pretty.....	10
<i>Solanum Hendersoni</i> . Orange-scarlet berries.....	5
“ <i>Lobeli</i> . Red fruit, very pretty.....	5
“ <i>robustum</i> . Very beautiful variety.....	10
“ <i>Warscewiczoides</i> . Handsome foliage.....	10
<i>Stachys lanata</i> . Silver-leaved, fine perennial.....	5
<i>Statice altaica</i> . Blue, very fine.....	5
“ <i>Besseriana</i> . Blue-flowered, handsome.....	5
“ <i>incana nana</i> . Fine mixed.....	5
“ <i>latifolia</i> . Blue, fine for bouquets.....	5
“ <i>penduliflora</i> . Blue, beautiful.....	5
“ <i>speciosa</i> . Reddish flowers, fine.....	5
“ <i>Suwarowi</i> . Bright rose, free blooming annual.	5
“ <i>tatarica</i> . White, the best for drying.....	5
<i>Stipa pennata</i> (Feather Grass). Fine for bouquets...	5
<i>Stenactis speciosa</i> . Blue-flowered, hardy.....	5
<i>Streptocarpus</i> , Veitch's new hybrids, very pretty....	20
“ <i>Wendlandi</i> . Large-leaved, fine.....	10
<i>Sunflower</i> . See <i>Helianthus</i> .	
<i>Swainsonia coronillæfolia</i> . Greenhouse flowering plant.....	25
“ <i>Ferrandi atropurpurea</i> . Deep crimson...	25
“ <i>Grayana</i> . Violet rose.....	25
“ “ <i>alba</i> , white.....	25
“ <i>Osborni</i> . Purple.....	25
“ <i>rosea</i> . Rose-colored.....	25
<i>Sweet Peas</i> . See page 29.	
“ <i>William</i> . See <i>Dianthus barbatus</i> , page 38.	
<i>Tagetes</i> . See Marigold, page 37.	
<i>Thea viridis</i> (Tea-Plant). Very interesting.....	10
<i>Thunbergia alata</i> . Buff-colored, ornamental climber.	5
“ “ <i>alba</i> . Pure white, climber.....	5
“ “ <i>aurantiaca</i> . Orange, climber.....	5
“ <i>Bakeri</i> (unicolor). White.....	5
“ <i>intus alba</i> . Pale yellow.....	5

	Pkt.
<b>Torenia Fournieri</b> (Edentula). Blue, fine for pots....\$0	25
“ “ <b>grandiflora</b> . New, very fine variety.	25
“ “ <b>alba</b> (White Wings). White.....	25
“ <b>Bailloni</b> . Golden yellow, deep, red throat...	25
<b>Trachymene cœrulea</b> ( <b>Hugelia Didiscus</b> ). Annual.....	5
“ “ <b>fl. alba</b> . White flowered, fine....	5
<b>Tropæolum</b> . See Nasturtium, page 30.	
<b>Verbascum olympicum</b> . Very decorative plant.....	5
“ <b>pannosum</b> . Yellow, about 5 feet high....	10
“ <b>phœniceum hybrids</b> . Choice mixed.....	5
<b>Verbena</b> . See page 32.	
<b>Vinca rosea</b> . Very fine market plant .....	5
“ “ <b>alba</b> . White, with rose centre.....	5
<b>Viola lutea</b> . A good old variety, very fine.....	5
“ “ <b>grandiflora (splendens)</b> . Large flowered....	5
“ <b>odorata semperflorens</b> (Sweet Violet). Blue....	10
“ <b>tricolor maxima</b> . See Pansies, page 28.	
<b>Viscaria cardinalis</b> . Crimson, hardy, annual.....	5
“ <b>elegans picta</b> . Rose and scarlet .....	5
“ <b>oculata</b> . Rose, with dark eye, very pretty..	5
“ Best varieties, choice mixed.....	5
<b>Wahlenbergia</b> ( <b>Platycodon</b> ) <b>grandiflora</b> . Fine, perennial.	5
“ <b>grandiflora duplex</b> . Double flowered....	10
“ “ <b>alba</b> . Large white flowers...	5
“ “ <b>duplex</b> . Double. pretty..	10
<b>Whitlavia gloxiniioides</b> . White and blue.....	5
<b>Wigandia caracasana</b> . Very ornamental foliage plant.	5
“ <b>floribunda, imperialis Vigieri</b> . Ornamental....	10
<b>Xeranthemum</b> . See page 39.	
<b>Zinnia</b> . See page 40.	

**Do not** be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it. You will find the *original* and *only*

**W. A. MANDA**

AT THE

**Universal Horticultural Establishment,**

**SOUTH ORANGE, N. J.**



## ROSES.

Under this heading will be found all the different classes of roses.

I have taken great care and listed the very best varieties only. I can furnish any variety not on the list, and would be pleased to quote prices on same.

### GREENHOUSE ROSES.

Among all the beautiful flowers the rose may well be called the "Queen." The fine fragrance and diversity of color make it indispensable to flower lovers. Below find listed those most suitable for culture under glass.

OUT OF TWO OR THREE INCH POTS.

	Doz.	100.
<b>American Beauty.</b> The largest pink rose ..	\$2 00	\$14 00
<b>Bride.</b> A white sport from C. Mermet...	1 50	12 00
<b>Bridesmaid.</b> Clearer pink than the Mermet.	1 50	12 00
<b>Catherine Mermet.</b> Bright flesh color.....	1 50	12 00
<b>Kaiserin Augusta Victoria.</b> Fine white.....	1 50	12 00
<b>La France.</b> Beautiful shell pink.....	1 50	12 00
<b>Madame Cusin.</b> Violet rose, tinged yellow.	1 50	12 00
" <b>de Watteville.</b> Salmon, white rose.	1 50	12 00
" <b>Hoste.</b> White, shaded yellow....	1 50	12 00
" <b>Caroline Testout.</b> Clear rose.....	1 50	12 00
<b>Mrs. P. Morgan.</b> Deep rose.....	4 00	25 00
<b>Mrs. Whitney.</b> Dark pink, fragrant, new..	1 50	12 00
<b>Meteor.</b> Rich, dark, velvety crimson.....	1 50	12 00
<b>Perle des Jardins.</b> The finest yellow.....	1 50	12 00
Larger plants, \$16 to \$20 per 100.		

### HYBRID PERPETUAL ROSES.

These differ from the greenhouse roses in that they are able to stand the severe climate of our winters. Most of the varieties are very fragrant. Although they are styled perpetual bloomers, none of them are such in reality. This class thrives best in a rich soil.

STRONG TWO-YEAR-OLD PLANTS.

	Each.	Doz.
<b>Alfred Colomb.</b> Brilliant carmine crimson..	\$0 50	\$5 00
<b>Anne de Diesbach.</b> Beautiful carmine.....	50	5 00
<b>Baroness Rothschild.</b> Light pink.....	50	5 00
<b>Dinsmore.</b> Crimson, very double.....	50	5 00
<b>General Jacqueminot.</b> Brilliant crimson....	50	5 00
<b>General Washington.</b> Bright red.....	50	5 00
<b>John Hopper.</b> Bright rose, carmine centre..	50	5 00
<b>M. P. Wilder.</b> Cherry rose.....	50	5 00
<b>Mabel Morrison.</b> White, tinged blush.....	50	5 00
<b>Madame Gabriel Luizet.</b> Pink, very large ...	50	5 00
" <b>Victor Verdier.</b> Carmine crimson...	50	5 00
<b>Merveille de Lyon.</b> Pure white, shaded rose,	50	5 00
<b>Mrs. John Laing.</b> Soft pink, large and fine,	50	5 00
<b>Paul Neyron.</b> Deep rose, fine foliage.....	50	5 00
<b>Prince Camille de Rohan.</b> Deep crimson....	50	5 00
<b>Ulrich Brunner.</b> Brilliant cherry red.....	50	5 00
<b>Victor Verdier.</b> Bright rose, carmine centre,	50	5 00

Many other varieties in stock.

100 plants, my selection, best varieties, for \$28 00

## MISCELLANEOUS ROSES.

Under this heading are combined all the leading roses not included in the former classes, such as Polyantha, Moss, running varieties, etc.

### STRONG TWO-YEAR-OLD PLANTS.

	Each.
Baltimore Belle. Nearly white, fine running sort...	\$o 35
Captain Christy. Deep flesh color, large and double,	50
Clothilde Soupert. Pure white, with rosy centre.....	35
Coquette des Blanches. Pure white.....	50
“ “ Alps. White shaded.....	50
Crested Moss. Deep pink colored buds.....	50
Crimson Rambler. Bright red... ..	35
Hermosa. Bright rose.....	35
Marechal Niel. Deep yellow, climbing rose.....	50
Madame Plantier. Pure white floriferous.....	35
Magna Charta. Pink suffused with carmine.....	50
Persian Yellow. Golden Yellow, medium size.....	50
Queen of the Prairies. Bright red, with stripe.....	35
Rugosa alba. A beautiful pure white, single.....	50
“ rosea. Shell pink variety.....	35
“ rubra. Glossy crimson, very beautiful.....	50
Wichuriana. Trailing variety for landscape work...	35
Souvenir de la Malmaison. Delicate flesh tinted.....	35

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**SEND ME A TRIAL ORDER.**

## CHRYSANTHEMUMS.

The interest in the Chrysanthemum increases yearly, and it is, next to the rose, one of our best flowers. Its diversity in size, form and coloring, added to the freedom of bloom at a season when all other flowers have faded, make it a plant worthy of our attention. It may well be called the Queen of Autumn. My list contains the very best varieties for all purposes.

	Each.
Bohemia. Garnet red.....	\$0 25
Col. Wm. B. Smith. Golden bronze, a fine form....	10
Cullingfordii. Rich crimson, reflex, late.....	10
Dorothy Toler. Rose color tipped with red.....	15
Edward Hatch. Lemon yellow with pinkish tinge..	25
Edna Prass. Beautiful pink .....	10
Eugene Dailedouze. Immense rich yellow flowers..	15
Golden Wedding.—Large bright yellow .....	10
George W. Childs. Beautiful deep crimson.....	10
Georgienna Bramhall. A beautiful soft, yellow, early.	25
Harry Sunderbruch. Bright yellow, large and early.	20
Ivory. One of the finest white dwarf habit.....	10
Jean d'Arc. Blush white, laced violet.....	20
Jessica. Large white, a good sort.....	10
Jessie Godfrey. White, tinged with pink.....	25
Judge Hoitt. Pale pink, very fine, anemone.....	10
Louis Menand. Deep red, tipped with yellow.....	25
L. Boemer. Fine pink, hairy type.....	10
Major Bonnafon. Soft, clear yellow, fine .....	25
Maud Dean. Pink, extra fine quality.....	15
Mayflower. Good incurved white.....	25
Minerva. Finest yellow.....	25
Minnie Wanamaker. Pure white.....	10
Miss Kate Brown. Very early, white.....	10
Mr. Hicks Arnold. One of the finest old gold.....	10
Mrs. A. J. Drexel. Crimson lake, good.....	10
Mrs. Archie Rogers. A fine variety.....	25
Mrs. Bayard Cutting. Centre deep rose.....	15
Mrs. De Witt Smith. Very soft rose.....	10
Mrs. E. D. Adams. Excellent variety, pure white..	10
Mrs. E. O. Wolcott. A beautiful silvery pink.....	25
Mrs. E. G. Hill. Beautiful lavender pink, early....	25
Mrs. F. Gordon Dexter. The largest anemone variety.	25
Mrs. Geo. West. Purple inside, silvery pink outside.	25
Mrs. Geo. M. Pullman. Large, yellow, fine, early...	25
Mrs. H. McK. Twombly. Fine white.....	25
Mrs. H. Robinson. Excellent early variety.....	25
Mrs. Howard Rinek. Soft, rosy color.....	25
Mrs. J. G. Whilden. Clear yellow, early.....	10
Mrs. Jas. Eadie. Very fine silvery pink.....	25
Mrs. Jas. B. Crane. Deep, rich rose color.....	25
Mrs. William Trelease. Pink, of the hairy type....	10
Mrs. Jerome Jones. Pure white, fine.....	10
Mrs. W. S. Kimball. Creamy white, fine.....	10
Mrs. W. K. Vanderbilt. Large, pure white.....	25
Niveus. Large, fine, white.....	10
Philadelphia. White, with yellow tips.....	25
Pitcher and Manda. Centre yellow, outside white...	15
President Wm. R. Smith. Beautiful, pink.....	10
Robert McInnes. Good, bronze.....	25
The Queen. A beautiful satiny white.....	10
Vivian Morrel. Very fine, silky rose.....	10
W. H. Lincoln. Very fine, large, yellow.....	10
White Louis Boemer. A white form of that variety.	10
Yellow Queen. Early yellow.....	10

## CARNATIONS.

This beautiful class of plants is too well known to need any introduction. The following list embraces the cream of the standard and well tried varieties, together with the best of the introductions of 1895.

	Per doz.	Per 100.
<b>Bouton d'Or.</b> The best yellow carnation..	\$1 25	\$7 00
<b>Bridesmaid.</b> Clear pink.....	1 50	9 00
<b>Buttercup.</b> Yellow, streaked carmine.....	75	4 50
<b>Daybreak.</b> A beautiful light shell pink...	1 00	4 50
<b>Dean Hole.</b> Yellow, scarlet stripes.....	2 00	12 00
<b>Diaz Albertina.</b> A grand pink, large.....	1 00	4 50
<b>Dr. Smart.</b> Pure white, penciled.....	1 00	4 50
<b>Helen Keller.</b> White, marked with carmine.	1 00	4 50
<b>Jacqueminot.</b> Rich crimson, fine grower..	1 00	4 50
<b>Lizzie McGowan.</b> A fine white, large.....	1 00	4 50
<b>Meteor.</b> Brilliant crimson.....	1 50	9 00
<b>Mrs. Fisher.</b> A beautiful white.....	1 00	4 50
<b>Nicholson.</b> Deep pink.....	1 50	9 00
<b>Portia.</b> Scarlet, of vigorous growth.....	1 00	4 50
<b>Storm King.</b> Finest white.....	1 50	9 00
<b>Thos. Cartledge.</b> A beautiful carmine.....	1 00	4 50
<b>Uncle John.</b> Pure white, large.....	1 00	4 50
<b>Wm. Scott.</b> The best pink carnation.....	1 00	4 50

For new varieties, see Novelty portion.

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## BULBS FOR SPRING PLANTING.

### BEGONIA, TUBEROUS-ROOTED.

These are among the finest flowering plants for a greenhouse, and do well planted outside in a sheltered position. The flowers are single and double, and of innumerable shades of color. Being of easy cultivation, they should be in every collection.

	Each.	Per doz.	Per 100.
Choice double varieties, named . . .	\$0 40	\$4 00	\$28 00
Double varieties, mixed, unnamed. . .	30	3 00	20 00
Double and single, mixed . . . . .	20	2 00	16 00

#### SINGLE VARIETIES.

Only the Finest Upright Strain.

	Each.	Doz.
Begonia, yellow. Extra fine strain . . . . .	\$0 15	\$1 50
“ red. Fine red varieties . . . . .	15	1 50
“ rose. Beautiful rose colors . . . . .	15	1 50
“ white. Pure large white flowers . . . . .	15	1 50
“ all colors mixed, \$8 and \$12 per 100 . . . . .	12	

### CANNAS (NEW FRENCH).

These are without exception the finest bedding plants we have. Their luxuriant tropical foliage and the brilliant hues of their flowers make them great favorites. If grown in pots they make grand plants for the conservatory or greenhouse, and if grown in the open ground they flower the entire season. No other plant gives so much beauty in foliage and flower combined.

	Each.
A. H. Wingate, lemon yellow ; very fine . . . . .	\$0 35
Admiral Jervais, extra fine . . . . .	35
Alphonse Bouvier, crimson ; very rich . . . . .	25
C. M. Atkinson, flowers bright carmine . . . . .	35
Captain P. de Suzzoni, a fine yellow canna . . . . .	20
Charles Henderson, the best dark red variety . . . . .	25
Col. Jordan, yellow, spotted red (new) . . . . .	50
Duchess de Montemart, yellow and scarlet . . . . .	25
E. O. Orpet, bright chrome yellow, fading to straw . . . . .	35
Ed. Michel, rich salmon overlaid with scarlet . . . . .	25
Explorateur de Crambel, cardinal red . . . . .	25
F. L. Harris, flowers bright blood red ; very fine . . . . .	50
Florence Vaughan, a very fine yellow, spotted variety . . . . .	35
Francois Maire, flowers very bright orange scarlet . . . . .	25
Francois Crozy, salmon with yellow edge . . . . .	15
Gustav Senholz, silvery rose mottled with salmon . . . . .	25
J. D. Cabos, fine bright orange or apricot flowers . . . . .	25
Jules Chretien, cherry colored flowers . . . . .	15
J. F. Huss, orange vermillion, edged with yellow . . . . .	35
John Clark, vermillion flowers blotched with yellow . . . . .	35
Mad. Crozy, scarlet with gold edge . . . . .	15
Martin Cahuzac, canary yellow with dark spots . . . . .	25
Maurice Mussy, fine scarlet spikes . . . . .	25
Mrs. Cleveland, extra large flowers . . . . .	25
Nardy Pere, bloom resembles Alphonse Bouvier . . . . .	25
Paul Marquant, salmon carmine tint . . . . .	10
Perfection, golden yellow flowers spotted . . . . .	15
Paul Bruant, brilliant orange scarlet . . . . .	25
Queen Charlotte, red, edged yellow . . . . .	50
Robusta, chocolate maroon, grows very large . . . . .	15
Wm. Elliott, dwarf, dark foliage, for edging . . . . .	25
One of each of the 31 kinds for . . . . .	7 50

**GLADIOLUS.**

	Doz.	Per 100.
Yellow, mixed.....	\$0 50	\$3 00
Collection, 3 named varieties, my selection.	25	
“ 6 “ “ “ “	50	
“ 12 “ “ “ “	1 00	
“ 25 “ “ “ “	2 00	
All colors mixed.....	30	2 00
American hybrids, mixed.....	50	3 00
White and light varieties, mixed....	50	3 00
Striped and variegated varieties, mixed..	50	3 00
Pink varieties, mixed.....	50	3 00
Lemoine's Finest, mixed.....	75	5 50

**LILIES.**

This is the noblest of all the bulbous plants. Graceful and imposing in habit, with showy, large, sweet-scented flowers of pure and chaste colors. Such as *L. Harrisii*, *Longiflorum* and *Candidum* invaluable for forcing, while *L. Auratum*, *Speciosum*, and a host of others are grand objects in borders among shrubbery or planted between *Rhododendrons* and Hardy *Azaleas*.

	Each.	Doz.
<i>Auratum</i> . With gold band, per 100, \$16..	\$0 20	\$2 00
<i>Brownii</i> . White and purple.....	75	7 50
<i>Candidum</i> . White.....	10	1 00
<i>Chalcedonicum</i> . Bright vermilion.....	50	5 50
<i>Croceum</i> . (Saffron Lily).....	25	2 75
<i>Excelsum</i> . Primrose yellow.....	35	4 00
<i>Longiflorum Japonicum</i> . White.....	30	3 00
<i>Martagon</i> . Purple.....	20	2 00
<i>Pardalinum</i> . Red and yellow.....	25	2 25
<i>Speciosum</i> . Pink.....	20	2 00
“ album. White.....	25	2 50
“ roseum. Deep rose.....	20	2 00
<i>Thunbergianum atrosanguineum</i> .....	35	3 50
<i>Tigrinum</i> . Red.....	10	1 00
“ flore pleno. Red.....	20	2 00
“ Fortunei. Red.....	25	2 50
“ splendens. Red.....	20	2 00
<i>Umbellatum</i> .....	25	2 50

For complete collection of 100 varieties, see Bulb Catalogue.

**MISCELLANEOUS BULBS.**

Under this heading you will find a list of bulbs which are indispensable for summer flowers.

**Amaryllis.**

	Each.	Doz.
<i>Atamasco</i> . White suffused with salmon..	\$0 10	\$0 40
<i>Belladonna</i> . Sweet scented pink.....	25	2 50
<i>Formosissima</i> . Large deep scarlet.....	20	1 50
<i>Johnsonii</i> . Red, with white stripes.....	60	6 00
<i>Nerine Fothergilli Major</i> . Brilliant scarlet..	1 00	10 00
<i>Sarniensis</i> . Red, tinged with salmon.....	25	2 50
<i>Regina</i> . Red, shaded with white and orange.....	50	5 00
<i>Purpurea</i> . ( <i>Vallota purpurea</i> ). Scarlet...	30	3 00
<i>Treatæa</i> . Pure white, very fragrant.....	10	50
<i>Vittata</i> . White, with red stripes.....	50	5 00

**Caladium Esculentum (Elephant's Ear).**

First size, 8 to 9 inches circumference....	50	5 00
Second size, 6 to 7 inches circumference..	25	2 50
Caladium, Fancy Leaved Varieties. In sorts..	35	3 50

	Each.	Doz.
Calla, White. The white Calla lily.....	\$o 20	\$2 00
“ Black (Arum Sanctum).....	50	5 00
Calla, Spotted. Variety, with spotted leaves	15	1 50
Dahlia. Mixed varieties.....	15	1 50
Gloxinia fine bulbs. Extra fine varieties....	25	2 50
Hyacinthus candicans. White flower spikes.	8	75
Madeira Vine (Climbing Mignonette).....	5	50
Milla Biflora (Mexican Star). Waxy, white	10	75
Oxalis Deppeii. Rosy white, fine.....	5	25
“ mixed colors. Extra fine varieties..	5	25
Tigridia conchiflora (Mexican Shell Flower).		
Yellow, spotted red.....	5	50
“ grandiflora alba. White, yellow cup,		
spotted.....	10	1 00
“ “ rosea. Bright rose.....	50	5 00
“ Pavonia. An extra fine variety....	5	50
Tuberose. Dwarf Pearl. Dwarf, white,		
double, \$4.00 per 100.....	10	75
“ Variegated foliage. Showy.....	20	2 00
“ Albino. Single branching.....	25	2 50

### WATER AND BOG PLANTS.

Never were aquatics appreciated more than they are at the present time. During the past season this branch of floriculture has formed the centre of attraction in the public gardens and at public exhibitions throughout the country. I am happy to say that I carry a most complete assortment of these beautiful flowers.

	Each.
Acorus Calamus (Sweet Flag). Leaves light green..	\$o 20
“ Japonica variegata. One of the finest.....	25
Aponogeton distachyon (Cape Pond Weed), Sweet.	50
Arundo donax. For marshy situation, hardy.....	25
“ “ variegata. Magnificent, hardy.....	35
Brasenia peltata (Water Shield). Pretty plant.....	20
Bambusa Metake. Entirely hardy, graceful....	50
Cabomba Aquatica. Valuable plant for aquarium....	25
Cyperus alternifolius. Very ornamental variety.....	25
“ papyrus (Egyptian Paper Plant).....	50
Calla palustris (Water Arum or American Calla)....	25
Caltha palustris. Hardy, yellow flowers.....	20
Darlingtonia Californica (California Pitcher Plant)....	1 00
Iris Kämpferi (Japan Iris). Hardy and free flowering.	20
Limnanthemum indicum (Water Snowflake). Tender.	25
“ nymphæoides (Villarsia). Hardy.....	15
Limnocharis Humboldtii (Water Poppy). Yellow.....	15
Lobelia Cardinalis (Cardinal flower). Scarlet.....	20
Menyanthes trifoliata (Buckbean). White flower.....	20
Myriophyllum Proserpinacoides (Parrot's Feather)....	15
Nelumbium nuciferum. From Japan. Hardy.....	1 00
“ luteum (American Lotus). Pale yellow... I 00	
“ speciosum (Egyptian Lotus). A most de-	
sirable aquatic, easy culture.....	2 00
Nymphæa alba. Hardy, pure white flowers.....	1 00
“ candidissima. Hardy, one of the best....	1 00
“ cœrulea. Fine species, with blue flowers..	1 00
“ Devoniensis. Tender, rosy red flowers....	1 00
“ dentata. Enormous white flowers.....	1 00
“ flava. Tender, bright yellow species.....	30
“ gigantea. Very beautiful and large... 2 50	
“ candida. Hardy, white, from Bohemia....	1 00
“ Lotus. A tender Egyptian variety.....	1 00
“ Laydeckerii rosea. Tender, new, various..	2 50
“ Mexicana. Tender, golden yellow flowers.	50
“ Marliacea albida. Hardy, fine bold foliage.	2 00
“ “ carnea. Blush white flowers....	2 00
“ “ chromatella. Hardy, yellow.....	75
“ “ rosea. Hardy, rose pink.....	2 00

	Each.
<i>Nymphaea odorata</i> . Hardy, fragrant white lily.....	\$0 25
“ “ <i>gigantea</i> . Hardy, large flowers..	25
“ “ <i>Caroliniensis</i> . Hardy, fine.....	2 00
“ “ <i>exquisita</i> . Deep colored flowers.	2 00
“ “ <i>rosea</i> . Hardy, deep pink flowers.	1 00
“ “ <i>sulphurea</i> . Hardy, large yellow.	75
“ “ <i>minor</i> . Hardy, small white flowers.....	25
“ <i>pygmæa</i> . Hardy, miniature flowers.....	50
“ “ <i>helviola</i> . Hardy, desirable.....	75
“ <i>rubra</i> . Tender, very strong growing.....	1 00
“ <i>Sturtevantii</i> . Bright rosy red flowers.....	2 50
“ <i>scutifolia</i> . Tender, large bright blue, free..	1 00
“ <i>tuberosa</i> . Hardy, white fragrant flowers..	25
“ <i>Zanzibarensis</i> . Tender, blue flowers.....	2 00
“ “ <i>rosea</i> . Tender, deep rose..	75
“ “ <i>azurea</i> . Azure blue, tender	75
<i>Ouvirandra fenestralis</i> (Lattice Leaf Plant).....	5 00
<i>Pontederia crassipes major</i> (Water Hyacinth).....	15
“ <i>cordata</i> . Hardy, native species.....	35
“ <i>azurea</i> (Blue Water Hyacinth).....	25
<i>Pistia stratiodes</i> (Water Lettuce). Very ornamental.	20
<i>Peltandra Virginica</i> (Water Arum). Greenish flowers.	20
<i>Sagittaria Montevicensis</i> (Giant Arrowhead). Massive.	20
“ <i>Japonica fl. pl.</i> White flowers.....	25
<i>Sarracenia Drummondii</i> . Variegated foliage.....	25
“ <i>flava</i> (Trumpet Leaf). Yellow flowers...	25
“ <i>purpurea</i> (Pitcher Plant). Deep purple...	20
<i>Scirpus Tabernæmontani Zebrina</i> . Very ornamental..	20

## BEDDING AND GARDEN PLANTS.

The list below are all well known tested varieties of the best plants used for bedding. Purchasers desiring large quantities will do well to write me, and I will make special quotations.

	Per doz.	Per 100.
<i>Alternanthera</i> . Fiery red foliage, dwarf... \$1 00	\$6 00	
“ yellow. A yellow form.....	1 00	6 00
<i>Ageratum</i> , best white. Free flowering.....	75	4 00
“ blue. A blue form.....	75	4 00
<i>Begonia Vernon</i> . Fine for bedding.....	75	4 00
<i>Centaurea</i> (Dusty Miller). Used extensively.	1 00	5 00
<i>Coleus</i> , Golden Bedder. A fine yellow sort.	1 00	5 00
“ Black Prince. Foliage nearly black.	1 00	5 00
“ Queen Victoria. Red and yellow...	1 00	5 00
“ <i>Verschaffeltii</i> . The standard sort..	1 00	5 00
“ Spotted Gem. A spotted variety...	1 00	5 00
<i>Fuchsias</i> in assorted varieties. Extra fine...	1 00	8 00
<i>Geranium</i> , General Grant, scarlet. Fine.....	1 00	8 00
“ Mme. Thibaut, pink. Excellent...	1 50	12 00
<i>Glechoma hederacea variegata</i> . Fine for baskets or vases.....	1 50	8 00
<i>Lobelias</i> (best dwarf blue). A fine dwarf plant.	75	4 00
<i>Pyrethrum</i> (Golden Feather). Fine foliage...	75	4 00
<i>Petunias</i> , finest double. Extra fine varieties.	1 00	10 00
“ single. Excellent sorts.....	75	5 00
Roses, finest varieties. A fine assortment..	1 00	12 00
Sweet Alyssum, Tom Thumb. Very fragrant.	1 00	6 00
<i>Salvia</i> . Brilliant scarlet, tall growing....	1 00	6 00
<i>Tropæolum</i> (Tom Thumb varieties). Fine....	1 00	6 00
<i>Verbena</i> , to color. Very gay colors.....	75	4 00
<i>Vinca</i> . Fine for vases or boxes.....	1 50	9 00

## SPRING BEDDING PLANTS.

Below find my selection of a few plants which are adapted for early bedding. They last in perfection from early spring until the middle of May, when they



can be lifted and summer bedding plants put in their place, thus prolonging the season, and making the garden look beautiful long before it would be if it were not for these little gems.

	Per doz.	Per 100.
<b>Dianthus plumarius pl.</b> Hardy, pink.....	\$1 50	\$9 00
<b>Funkia undulata variegata.</b> Fine foliage....	1 50	9 00
<b>Iberis sempervirens.</b> White blossoms.....	1 50	9 00
<b>Myosotis</b> (Forget-me-not). Useful plant..	1 00	6 00
<b>Pansies.</b> The very finest varieties.....	1 00	6 00
<b>Phlox subulata</b> (Moss Pink). Dwarf.....	1 50	9 00
<b>Primroses.</b> Beautiful varieties.....	1 50	9 00
<b>Silene pendula.</b> Pink and white.....	1 00	6 00

### SEEDLING ANNUALS FOR BEDDING, ETC.

Under this heading is listed a general assortment of the finest annuals for garden planting or bedding. They are fine, stocky plants, grown in frames, and can be lifted with fine roots, so that there will be no danger in transplanting. This will be very beneficial to parties wanting these beauties and having no facilities to raise them from seed. Per doz., 50c.; \$3.00 per 100. Best varieties of *Asters*, *Ageratum*, *Alyssum*, *Balsams*, *Lobelia*, *Marigold*, *Nasturtium*, *Sweet Sultan*, *Petunia*, *Phlox Drummondii*, *Dianthus*, *Scabiosa*, *Zinnias*, *Snapdragon*, *Larkspur*, *Gaillardia*, *Four-o' Clock*, *Centaurea*, and *Calendula*.

### GREENHOUSE FLOWERING PLANTS.

This useful class comprises both dwarf and climbing kinds. Only such are listed as have been found to be the best and most popular varieties. I will be pleased to quote prices on any others not listed, or for large specimens.

#### Azaleas.

There is no greenhouse shrub that gives such satisfaction as a good plant and variety of Azalea. The following dozen varieties are the cream of the Azaleas, while I offer well furnished plants set with buds at the following low prices: Plants, 9-10 inches in diameter, 75 cts. each, \$7.50 per doz.; 10-12 inches in diameter, \$1.00 each, \$10.00 per doz.; extra large, 12-15 inches in diameter, \$1.50 each, \$15.00 per doz. Extra large specimens, price on application.

**A. Borsig.** Pure double white.

**Madame Van der Cruyssen.** Semi-double bright rose.

**Sigismund Rucker.** Lilac rose and white.

**Bernard Andrea Alba.** Double white.

**Deutsche Pearl.** Very early double, pure white.

**Imperatrice des Indes.** Large double rose, edged white.

**Souv. de Prince Albert.** Double white and lilac.

**Dr. de Moor.** Double, intense rose.

**Empereur de Bresil.** Rose and white, large double.

**Cocarde d'Orange.** Fine double, orange red.

**Simon Mardner.** Very deep pink, shape of a Camellia.

**Vervæana.** A very large double, rose and white.

**Anthurium Andreanum.** Orange red, with yellow....\$2 00

“ **Brownii.** Deep blood red flower..... 3 00

“ **Clarkiana.** Light red, shaded with pink.. 3 00

“ **Ferrierense.** Pink with white, beautiful.. 2 00

“ **Reynoldsiana.** Shining pink, with white.. 3 00

“ **Scherzerianum.** Compact growth, brilliant 1 00

**Allamanda Hendersoni.** Stove plant, yellow flowers.. 75

“ **nobilis.** Bright yellow flowers..... 75

“ **nerifolia.** Fine bushy stove plant..... 50

**Acacia.** In varieties.....50c. to 3 00

<b>Adamia versicolor.</b> Large heads of blue flowers....	\$0	50
<b>Aristolochia elegans.</b> Beautiful flowering climber...		25
“ <b>grandiflora</b> (the Pelican Flower). A very interesting plant.....	I	00
“ <b>ridicula.</b> Curious flowers.....	I	00
“ <b>ornithocephala.</b> Interesting flowers.....	I	00
<b>Aphelandra aurantiaca Roezlii.</b> Bright scarlet flowers.		75
<b>Begonia Vernon.</b> Very free flowering plant.....		25
“ <b>incarnata.</b> Fine for cutting.....		25
“ In many varieties.....	25c. to	50
<b>Bouvardias.</b> In varieties.....	15c. to	25
<b>Bougainvillea glabra.</b> Finest climbers in cultivation.		50
<b>Camellias</b> (in varieties). According to size... 75c. to	3	00
<b>Cherokee Rose</b> ( <i>Rosa Sinica</i> ). Fine white flowers...		25
<b>Clerodendron Balfouri.</b> White and red flowers.....		50
“ <b>speciosa.</b> Red flowers.....	I	00
<b>Cassia corymbosa.</b> Large numbers of yellow flowers.		50
<b>Chorizema ilicifolia.</b> Handsome red flowers.....		75
<b>Chrysanthemum frutescens</b> ( <i>Paris Daisy</i> )..... 25c. to	2	00
“ “ <b>Etoile d'Or.</b> Yellow form...		25
<b>Crinum amabile.</b> Large red flowers.....	10	00
<b>Cuphea Llava.</b> Useful plant for flower beds.....		25
<b>Daphne odorata.</b> Sweet scented.....	I	00
<b>Diplandenias</b> (in varieties). Choice..... \$1.00 to	3	00
<b>Erica</b> (in varieties). Choice greenhouse plants, \$1.00 to	3	00
<b>Eucharis Amazonica.</b> Beautiful, large white flowers.		25
“ <b>candida.</b> White, free flowering.....		25
<b>Euphorbia jacquiniæflora.</b> Winter flowering plant...		50
<b>Eupatorium ianthinum.</b> Trusses of purple flowers...		50
<b>Francesia exima.</b> Blue flowers.....	I	00
“ <b>latifolia.</b> Blue flowers.....	I	00
<b>Gardenia florida.</b> White, sweet-scented flowers....		50
<b>Genistas</b> (in varieties). According to size... 25c. to	3	00
<b>Geraniums.</b> In the best varieties.....		15
<b>Goldfussia hyssopifolia.</b> Light blue flowers.....		25
<b>Hydrangea</b> (in varieties). According to size... 25c. to	5	00
<b>Hibiscus.</b> In leading varieties..... 25c. to		50
<b>Heliotrope.</b> Useful, sweet-scented plant.....		25
<b>Hedichium coronarium.</b> Trusses of white scented flowers.....		50
“ <b>flavum.</b> Spikes of yellowish flowers.....	I	00
<b>Imantophyllum miniatum.</b> Large orange red flowers..	I	00
<b>Impatiens Lucy.</b> Dark red balsam-like flowers.....		25
<b>Ixora</b> (in varieties).....	I	00
<b>Justicia speciosa.</b> Free flowering plant.....		25
<b>Jasminum gracillimum.</b> White, sweet-scented flowers.		50
“ <b>grandiflorum.</b> Yellow flowers.....		50
“ <b>Sambac.</b> White, sweet-scented flowers ..		50
<b>Lapageria rosea.</b> Beautiful, waxy red flowers.....	3	50
“ <b>alba.</b> Useful as the above, white variety.	5	00
<b>Libonia floribunda.</b> Scarlet, yellow-tipped flowers...		25
<b>Linum Trigynum.</b> Deep orange flowers.....		25
<b>Myenia erecta.</b> Stove plant, beautiful blue flowers..		50
<b>Ophiopogon Jaburan variegatus.</b> Blue flowers.....		75
<b>Pelargonium</b> (in varieties)..... 35c. to		50
<b>Pleroma elegans.</b> Large blue flowers.....		50
<b>Plumbago Capensis.</b> Blue flowers.....		25
“ “ <b>alba.</b> White flowers.....		25
“ <b>coccinea.</b> Broad leaves, dark red flowers.		35
<b>Pancratium ovatum.</b> White fragrant flowers.....		75
<b>Passiflora.</b> In varieties. Elegant climbers... 25c. to	I	00
<b>Reinwardtia tetragyna.</b> Large yellow flowers.....		50
<b>Ruellia formosa.</b> Fine scarlet flowers.....		35
<b>Rhynchospermum jasminoides.</b> Greenhouse climber..		50
<b>Solandra grandiflora.</b> Lily-like flowers.....	I	00
<b>Schubertia grandiflora.</b> Yellow flowers.....	I	00
<b>Stephanotis floribunda.</b> White, waxy flowers.....	I	00
<b>Salvia.</b> In varieties.....		25

	Each.
<i>Streptosolen Jamesonii</i> . Orange-colored flowers.....	\$0 25
<i>Swainsonia galagifolia alba</i> . Bunches of white flowers.	35
<i>Stigmatophyllum ciliatum</i> . Yellow orchid-like flower..	75
<i>Stevia</i> . Useful white, winter flowering plant.....	25
<i>Tabernæmontana coronaria</i> . Sweet white flowers....	75
<i>Tecoma Capensis</i> . Orange-scarlet flowers.....	25
<i>Thysicanthus rutilans</i> . Spikes of pink flowers.....	50
<i>Thunbergia laurifolia</i> . Large light blue flowers.....	25
<i>Toxicophlea spectabilis</i> .....	1 00
<i>Utricularia montana</i> . White flowers.....	2 00
<i>Veronica</i> . In varieties.....	25

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This firm has erected and heated my new Green-houses with such satisfaction that I can strongly recommend any one contemplating building to correspond with

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## Orchids.

These are undoubtedly the coming flowers, and every greenhouse or conservatory should have at least a few of these floral gems. They are of easy culture, and will grow in any ordinary greenhouse or conservatory, together with other common plants, such as geraniums, fuchsias, etc. Most of the varieties can be grown in baskets or on blocks, and suspended from the roof, thus not utilizing any bench room. Orchids, when in bloom and kept in cool places, will last from four to ten weeks in perfection, so that any one having a small collection of orchids will have some plants in bloom all the year round. Amateurs intending starting to grow orchids should write for list of such varieties as are best suitable for beginners. The following are a few cultural points: Orchids require a season of growth and a season of rest, corresponding with the wet and dry seasons of their native country. When they are making new growths, they should receive a liberal supply of water until the maximum is reached, when the new bulb is nearly full size; then it should receive just enough water to keep the bulbs from shriveling; as soon as it shows the sign of bloom, water it again until it has done flowering.

The prices quoted are for nice, thrifty, flowering size plants. Prices and sizes of various specimens will be cheerfully given to intending purchasers on application.

### CATTLEYA.

The Cattleyas are among the most beautiful of the whole Orchid family.

The flowers are all large and elegant, and cannot be surpassed for their sparkling richness and depth of color. They can be easily grown in baskets or pots, with a compost of fibrous peat and moss, with good drainage and a liberal supply of water while growing, but as soon as they have finished their growth, the supply must be greatly decreased.

	Each.
<b>Aurea.</b> Yellow and crimson, rare.....	\$10 00
<b>Bowringeana.</b> Rich purple, easily grown.....	3 00
<b>Citrina</b> (Tulip Orchid). Lemon, sweet scented....	1 00
<b>Crispa.</b> White and crimson, scarce plant.....	5 00
<b>Chrysotoxa.</b> Rich crimson, red and yellow, rare...	10 00
<b>Dolosa.</b> Rare specimen, fine plant.....	12 00
<b>Dorminiana.</b> Chocolate and purple.....	5 00
<b>Dowiana.</b> Rich, red and yellow, grand.....	4 00
<b>Eldorado.</b> White and pink, sweet scented.....	3 00
<b>Gaskelliana.</b> Rosy lilac, free grower.....	2 00
<b>Gigas.</b> Rich, rosy, yellow eyes.....	5 00
“ <b>Sanderiana.</b> Rich crimson, yellow eyes....	7 50
<b>Guttata.</b> Brown and pink, in large trusses.....	3 00
<b>Harrisoniæ.</b> Lilac, easy growing plant.....	3 00
<b>Intermedia.</b> Rosy lilac, free flowering species....	2 00
<b>Labiata (vera).</b> Rosy pink and crimson lip.....	3 00
<b>Lawrenceana.</b> Rich crimson, colored flowers, rare.	5 00
<b>Leopoldii.</b> Brown and pink, large trusses.....	3 00
<b>Maxima.</b> Light rose veined lip.....	3 00
<b>Mendellii.</b> White and rose, summer flowering....	3 00
<b>Mossiæ.</b> Rose to crimson red, and yellow.....	2 00
<b>Percivaliana.</b> Rose to crimson, winter flowering..	2 00
<b>Skinnerii.</b> Rich rose, in large spikes.....	2 00
“ <b>atrorosea.</b> Rich crimson variety.....	7 50



	Each.
<b>Schroderæ.</b> Soft lilac, yellow throat.....	\$4 00
<b>Speciosissima.</b> Large, pink to crimson.....	5 00
<b>Trianæ.</b> Lilac rose to crimson, the best.....	2 00
“ <b>alba.</b> Rare white form (price on application).	
<b>Warnerii.</b> Rich rose and crimson.....	3 00

### CYPRIPEDIUM.

They are the easiest grown of all orchids. Many of them have beautiful marked foliage as well as flowers, and on this account should have a place in every collection. To be grown to perfection they like abundance of moisture and plenty of drainage, being potted in peat fibre and sphagnum. The flowers last from four to sixteen weeks on a plant, and, when cut, two to four weeks. The star (\*) after the name denotes the variety to be a hybrid.

	Each.
<b>Albo Purpureum.*</b> Beautiful rosy pink.....	\$3 00
<b>Arthurianum.*</b> Finely dotted and lined.....	8 00
<b>Ashburtoniæ.*</b> Reddish brown and white.....	2 50
<b>Barbatum.</b> White and deep purple.....	1 00
“ <b>superbum.</b> Fine form.....	1 00
“ <b>Warnerianum.</b> Fine variety.....	2 00
<b>Bellatulum.</b> White, spotted crimson.....	2 00
<b>Boxallii.</b> Yellowish green, shaded purple, brown...	2 00
“ <b>superbum.</b> Fine form.....	4 00
<b>Brownii.*</b> Rare hybrid.....	18 00
<b>Calanthum.*</b> Rare hybrid. Price on application.	
<b>Callosum.</b> Large white and purple.....	2 50
<b>Calophyllum.*</b> Purple and green.....	3 00
<b>Calurum.*</b> Large rosy crimson.....	2 00
“ <b>Rougieri.*</b> Large flowering variety.....	7 50
<b>Canhami.*</b> Rare hybrid, very large flower.....	18 00
<b>Cardinale.*</b> White and rich crimson, choice.....	5 00
<b>Caudatum.</b> Very large flowers, petals 24 inches long	3 00
<b>Chamberlainianum.</b> Newly discovered species.....	3 50
<b>Charlesworthii.</b> Beautiful pink color.....	2 00
<b>Conchiferum.*</b> Yellow and purple.....	4 00
<b>Crossianum.*</b> Tawny yellow.....	2 00
<b>Curtisii.</b> Large purple and white flowers.....	3 00
<b>Dauthieri.*</b> Free flowering, reddish purple.....	2 50
<b>Dayanum.</b> Pale colored with dark stripes.....	3 00
<b>Dominianum.*</b> Very free growing and flowering	1 00
<b>Druryi.</b> Yellow flower with purple stripe.....	5 00
<b>Elliottianum.</b> Large and richly colored.....	7 50
<b>Grande.*</b> Enormous flowers, 3 to 4 on a spike.....	5 00
<b>Harrisianum.*</b> Flowering several times a year....	1 50
“ <b>luteolum.*</b> Yellow variety.....	4 00
“ <b>nigrum.*</b> Rich dark form.....	4 00
“ <b>superbum.*</b> Grand and rare form.....	15 00
<b>Hartwegii.</b> Yellowish green, continuous bloomer...	2 00
<b>Haynaldianum.</b> Three to five flowers on long stems.	3 00
<b>Hebe.*</b> Beautiful white.....	15 00
<b>Hirsutissimum.</b> Very large, green and purple.....	2 50
<b>Hookeræ.</b> Beautiful foliage and flowers.....	1 00
<b>Insigne.</b> Free growing and popular variety.....	1 00
“ <b>Chantini.</b> White, with purple spots.....	5 00
“ <b>Cuttingianum.</b> Rare form.....	5 00
“ <b>maximum.</b> Larger than the type.....	2 00
<b>Io Grande.*</b> White, with heavy spots.....	15 00
<b>Josephianum.*</b> Rare hybrid. Price on application.	
<b>Lævigatum.</b> Flowers yellow, white and purple....	3 00
<b>Lawrenceanum.</b> White and purple, striped flowers.	2 00
<b>Leeanum.*</b> Sepal white, dotted with pink.....	3 00
“ <b>superbum.</b> Beautiful form.....	5 00
<b>Leucorhodum.*</b> Grand, shell pink color, rare.....	10 00
<b>Longifolium.</b> Tawny yellow, profuse bloomer.....	2 00
<b>Lowii.</b> Long stem, with numerous flowers.....	4 00

	Each.
<b>Macropterum.*</b> Rare hybrid. Price on application.	
<b>Marmarophyllum.*</b> Rich purple.....	\$5 00
<b>Morgania.*</b> The finest. Price on application.	
<b>Niveum.</b> Delicate, pure white species.....	2 00
<b>Nitens.</b> Yellow and white flowers.....	5 00
<b>Oenanthum.*</b> Showy, claret purple and white.....	3 00
<b>Orphanum.*</b> Rare hybrid. Price on application.	
<b>Parishii.</b> Numerous green and purple flowers.....	4 00
<b>Pearcei.</b> Small, neat flowers, yellowish.....	2 00
<b>Pleuroneuron.*</b> Purplish, brown and green.....	3 00
<b>Porphyreum.*</b> Deep rose, free flowering.....	2 00
<b>Roezii.</b> Green and rose, very floriferous.....	\$2 00
<b>Rothschildianum.</b> Very large and striking, scarce...	7 50
<b>Sallieri punctatum.</b> White and yellow spotted.....	10 00
<b>Schlimii.</b> Small, white and rosy flowers.....	2 50
<b>Schroedera.*</b> Very large, rosy crimson flowers....	12 00
<b>Sedenii.*</b> Very floriferous, rose colored.....	75
“ <b>candidulum.</b> Soft rose.....	3 00
<b>Selligerum.*</b> Large, brown, purple and white flowers	3 00
<b>Spicerianum.</b> Lovely flower, with white dorsal sepal.	2 00
“ <b>grandiflorum.</b> Large form.....	5 00
<b>Superciliare.*</b> White and purple, free grower.....	3 00
<b>Stoneii.</b> Large white and purple flowers.....	3 00
<b>Superbiens (Veitchii).</b> Fine, rare species.....	4 00
<b>Swanianum.*</b> Purple and white.....	3 00
<b>Tonsum Superbum.</b> Copper colored, dark spots....	7 50
<b>Venustum.</b> Green and tawny yellow.....	1 00
<b>Vexillarium.*</b> Beautiful white and purple rose flower.	7 50
<b>Villosum.</b> Shiny surface, as if varnished.....	2 00
“ <b>album marginatum</b> .....	15 00
“ <b>aureum</b> .....	10 00
“ <b>superbum</b> .....	5 00
Larger plants of any above variety on application.	

### LAELIA.

This is a lovely genus, and one of the most valuable for cut-flower purposes. Most of the species are vigorous and compact in growth, with evergreen leaves much like the Cattleyas, to which they are strongly allied, and many are of equal beauty when in bloom. They do best in baskets or pots, with a compost of fibrous peat and good drainage.

	Each.
<b>Acuminata.</b> White and rose-colored flowers.....	\$3 00
<b>Albida.</b> White, with lilac lip.....	1 00
<b>Anceps.</b> Rose to rich crimson, free grower.....	1 00
“ <b>alba.</b> Rare white variety of the former.....	7 00
<b>Arnoldiana.</b> Rose, flowers in autumn.....	4 00
<b>Autumnalis.</b> Rich rose, large flowers.....	2 00
<b>Cinnabarina.</b> Rich red, small flower.....	3 00
<b>Dayana.</b> Fine rose and crimson.....	3 00
<b>Elegans.</b> Rare natural hybrid, variable.....	7 00
“ <b>Choice varieties.</b> Price on application.	
<b>Eyermauii.</b> Natural hybrid, rare.....	5 00
<b>Gouldiana.</b> Rich crimson. Price on application.	
<b>Grandis.</b> Fine species, rare in cultivation.....	4 50
<b>Harpophylla.</b> Rich, clear, red flower, showy.....	3 00
<b>Lindleyana.</b> Light pink flowers.....	5 00
<b>Majalis.</b> Large rosy flowers.....	2 00
<b>Pattinii.</b> Rich rose flowers, in cluster.....	3 00
<b>Perrinii.</b> Large flower, dark lip.....	2 00
<b>Purpurata.</b> Large white, crimson lip, grand.....	3 00
<b>Superbiens.</b> Long spike, with light, rosy flowers..	4 00

### DENDROBIUM.

This is a very extensive as well as a magnificent genus of orchids, with tall jointed stems, bearing racemes of handsome flowers, especially fine for cutting. Some

of the varieties produce fine large showy flowers, which are delicate in color and delightfully fragrant. They grow best in baskets, and while growing should never get dry, but during rest should be kept cool and dry.

	Each.
<b>Ainsworthii.</b> Hybrid, beautiful, rosy white.....	\$4 50
<b>Albo-sanguineum.</b> Buff-colored flowers.....	2 00
<b>Anosmum Dayanum.</b> .....	3 00
<b>Brymerianum.</b> Rich yellow fringed flowers.....	3 00
<b>Calceolaria.</b> Fine large buff-colored flowers.....	2 00
<b>Chrysotoxum.</b> Rich yellow flowers.....	3 00
<b>Crassinode.</b> White rose flowered plants.....	3 00
<b>Dalhousianum.</b> Very large buff and crimson.....	4 00
<b>Densiflorum.</b> Deep yellow bunches of flowers.....	3 00
<b>Farmerii.</b> Delicate lilac and yellow.....	3 00
<b>Fimbriatum.</b> Fine spikes of yellow flowers.....	3 00
<b>oculatum.</b> Variety, with dark eye.....	5 00
<b>Fermosum.</b> White, waxy flower.....	2 00
<b>giganteum.</b> Very large variety of flowers.....	3 00
<b>Heterocarpum.</b> Fine primrose, yellow sweet.....	2 00
<b>Jamesianum.</b> Pure white, fine.....	2 50
<b>Macrophyllum giganteum.</b> Large purple flowers.....	2 00
<b>Macropogon.</b> Fine yellow flowers.....	2 00
<b>Moschatum.</b> Buff color flower in summer.....	2 00
<b>Nobile.</b> Free grower, white and pink flowers.....	1 00
<b>Allanum.</b> Rare. Price on application.	
<b>Sanderiana.</b> Rich crimson, variety.....	3 00
<b>Phalænopsis Schroderæ.</b> Large rose flowers.....	3 00
<b>Pierardii.</b> Pearl white flowers.....	2 00
<b>Speciosum.</b> Curious Australian species.....	3 00
<b>Thysiflorum.</b> Bunches of white and yellow flowers.....	3 00
<b>Wardianum.</b> Large white flowers, tipped with pink.....	3 00
<b>album.</b> Rare, white form; on application.	

## ODONTOGLOSSUM.

This genus contains some of the choicest and most useful Orchids in cultivation. The flowers of the Odon-toglossum are very beautiful and last a long time in per-fection. Shade, moisture and cool temperature in sum-mer are very essential to their well being. A little sun in winter is preferable, as it ripens the bulb, which is necessary to produce fine flowers. Plant in pots or baskets, in rough, fibrous peat and moss, with good drainage, and give plenty of water.

	Each.
<b>Aspersum.</b> Yellow and brown, rare hybrid.....	\$5 00
<b>Bictonense.</b> Long spikes of lilac, brown colors.....	3 00
<b>Cervantissii.</b> White spotted flowers.....	2 50
<b>Citrosmum.</b> Drooping spikes, white flowers.....	3 00
<b>Crispum.</b> White spotted, the best cool orchid.....	2 00
<b>Grande (Baby Orchid).</b> Large, yellow, red brown..	2 00
<b>Harryanum.</b> Brown, white and lilac, fine.....	3 00
<b>Luteo-purpureum.</b> Rich, brown and yellow.....	2 00
<b>Maculatum.</b> Yellow and brown flowers.....	2 00
<b>Nebulosum.</b> Large white lip, spotted.....	2 00
<b>Pescatorei.</b> White flower and arching spikes.....	2 50
<b>Pulchellum majus.</b> White flowered species.....	1 00
<b>Rossii majus.</b> Free grower, white and brown flowers.....	1 00
<b>Triumphans.</b> Rich, brown and yellow flowers.....	3 00
<b>Vexillarium.</b> Large lilac flowers in summer.....	3 00

## ONCIDIUM.

This genus comprises some very showy plants, with long arching spikes of mostly yellow, often sweet-scented flowers. They grow best in baskets and blocks,

in temperate house, with plenty of air, and the resting period well marked.

	Each.
<b>Altissimum.</b> Long stems, yellow flowers.....	\$3 00
<b>Cavendishianum.</b> Yellow and brown flowers.....	3 00
<b>Crispum.</b> Fine rich brown and yellow.....	3 00
<b>Incurvum.</b> Long stems, lilac and white flowers....	1 00
<b>Ornithorhynchum.</b> Covered with lilac, sweet flowers.	1 00
<b>Papilio</b> (Butterfly Orchid). Large yellow and red..	3 00
<b>Sarcodes.</b> Fine yellow and brown variety.....	3 00
<b>Sphacelatum.</b> Long stems of yellow flowers.....	2 00
<b>Splendidum.</b> Large yellow and brown flowers.....	5 00
<b>Tigrinum.</b> Large yellow, sweet-scented species....	3 00
<b>Unguiculatum.</b> Yellow and brown flowers.....	2 50
<b>Varicosum.</b> Large yellow flowers, arching spikes...	3 00
“ <b>Rogersii.</b> Grand variety of the former.	5 00

## VANDA.

This genus is composed of stately plants, with large massive foliage and fine, showy flowers, and on that account should be in every collection. They do best in warm greenhouses, planted in baskets and suspended from the roof, with liberal supply of water in the growing season.

	Each.
<b>Batemanii.</b> Rich brown and yellow.....	\$5 00
<b>Cœrulea.</b> Beautiful blue flowers, fine.....	4 00
<b>Dennisoniana.</b> Ivory white flowers.....	3 00
<b>Sanderiana.</b> Large and rare. Price on application.	
<b>Suavis.</b> Large lilac and crimson flowers.....	5 00
<b>Teres.</b> Large pink and brown flowers.....	2 00
<b>Tricolor.</b> Fine brown and purple flowers.....	5 00

## VARIOUS ORCHIDS.

	Each.
<b>Ærides odoratum.</b> Sweet scented, white and pink.	\$2 50
“ <b>majus.</b> Large flowered variety.	5 00
<b>Angræcum eburneum superbum.</b> Fine variety.....	12 00
“ <b>Leonis.</b> Ivory white flowers.....	3 00
“ <b>Sanderianum.</b> Graceful arching spikes..	3 00
“ <b>sesquipedale.</b> Gigantic ivory-like flowers.	15 00
<b>Ansellia Africana.</b> Yellow and brown.....	5 00
<b>Barkeria Skinnerii.</b> Crimson spikes.....	2 00
<b>Bollea cœleste.</b> Large, almost blue flowers.....	3 00
“ <b>a'ba.</b> Rare white form of this flower.	15 00
<b>Brassavola cucullata.</b> White flowers.....	5 00
“ <b>glauca.</b> Large creamy flowers.....	2 50
<b>Brassia Verrucosa.</b> Long arching spikes.....	2 00
<b>Broughtonia Sanguinea.</b> Rose colored flowers.....	1 00
<b>Calanthe Regnerii.</b> Beautiful variety.....	2 00
“ <b>Veitchii.</b> Rich pink flowers on long stems.	2 00
“ <b>vestita.</b> Arching spikes of white flowers,..	2 00
<b>Chysis aurea.</b> Yellow and brown flowers.....	3 00
“ <b>bractescens.</b> White waxy flowers.....	3 00
<b>Cœlogyne cristata.</b> Chatsworth variety.....	3 00
“ <b>White, useful, free grower.</b> ....	1 00
“ <b>Dayana.</b> Fine rose and crimson flower...	3 00
“ <b>Massangeana.</b> Yellowish flowers.....	5 00
“ <b>lentiginosa.</b> White and yellow.....	3 00
“ <b>ocellata.</b> White, yellow markings.....	3 00
“ <b>speciosa.</b> Creamy, with brown lip.....	3 00
<b>Cymbidium aloifolium.</b> Long spikes of brown flowers.	2 00
“ <b>eburneum.</b> Large white, waxy flowers..	3 00
“ <b>giganteum.</b> Green and brown flowers...	3 00
“ <b>Lowii.</b> Pea green flowers on long spikes.	3 00
“ <b>sinensis.</b> Sweet scented.....	2 00
<b>Dendrochilum glumaceum.</b> Spikes of white flowers..	2 00



	Each.
<b>Epidendrum bicornutum.</b> Pure white, large, showy.	\$3 50
“ <b>ciliare.</b> White flowers.....	1 00
“ <b>Godseffianum.</b> New species.....	3 00
“ <b>microchilum album.</b> White variety.....	5 00
“ <b>vitellinum majus.</b> Rich orange red.....	1 00
<b>Goodyera discolor.</b> Beautiful foliage.....	2 00
<b>Lycaste aromatica.</b> Yellow, sweet scented.....	1 00
“ <b>cruenta.</b> Rich yellow, free grower.....	2 00
“ <b>Deppei.</b> Yellowish and white.....	1 00
“ <b>lanipes.</b> Large waxy flowers.....	5 00
“ <b>Skinnerii.</b> Light to deep rose, useful plant.	2 00
<b>Masdevallia amabilis.</b> Rich purple flowers.....	2 00
“ <b>Harryana.</b> Shades of pink and crimson.	2 00
“ <b>igneae.</b> Fine dark red variety.....	3 00
“ <b>Tovarensis.</b> Pure white flowers.....	2 50
<b>Maxillaria picta.</b> Yellow and brown, sweet scented,	2 00
“ <b>tenuifolia.</b> Brownish flowers, very fine..	1 00
<b>Miltonia Clowesii.</b> Chestnut brown, long spikes...	3 00
“ <b>Regnellii.</b> Rich crimson, rare.....	5 00
“ <b>spectabilis.</b> White, with rosy lip.....	3 00
<b>Peristeria elata</b> (Holy Ghost Plant). Pure white...	3 00
<b>Phaius grandifolius.</b> Terrestrial, white and brown..	1 50
“ <b>maculatus.</b> Spotted leaves, yellow.....	2 00
“ <b>Wallichii.</b> Chocolate colored.....	4 00
<b>Phalaenopsis amabilis.</b> Long stems, white flowers..	3 00
“ <b>grandifolia.</b> Large white flowers.....	3 00
“ <b>Sanderiana.</b> Soft rose.....	5 00
“ <b>Schilleriana.</b> Spikes of lilac flowers...	5 00
<b>Schomburgkia crispa.</b> Yellowish.....	2 00
“ <b>Tibicina.</b> Yellow and white.....	2 00
“ <b>undulata.</b> Purple.....	2 00
<b>Sobralia macrantha.</b> Large purple flowers, terrestrial	3 00
<b>Stanhopea Devonensis.</b> Rare and showy variety..	5 00
“ <b>oculata.</b> Large fragrant flowers.....	1 00
“ <b>Tigrina.</b> Red and yellow, large.....	2 00
<b>Thunia alba.</b> White, showy flowers.....	2 00
<b>Zygopetalum Gautierii.</b> Chocolate and blue flowers..	5 00
“ <b>Mackayii.</b> Sweet scented, free grower.	2 00

**Do not** be misled because you see the firm name of PITCHER & MANDA unchanged. Same firm, prior to my retirement, had been incorporated under that name. and I cannot prevent them from using it.

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**Universal Horticultural Establishment,**

**SOUTH ORANGE, N. J.,**

where please address all letters and orders intended for me, as I am not in any way connected with the firm that still uses my name.

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## GREENHOUSE FOLIAGE PLANTS.

This is a class of plants which is becoming more popular every day. Their fine marked foliage and graceful habit make them great favorites. There is nothing equal to a house filled with a collection of these plants.

	Each.
<b>Abutilon</b> Souv. de Bon. Fine sort,.....	\$0 25
“ <b>Thompsoni.</b> Green, with yellow blotches...	25
<b>Agloenema picta.</b> Bright foliage.....	75
“ <b>Roblenii.</b> Good decorative plant.....	75
<b>Ananassa sativa variegata.</b> The variegated pineapple.	3 00
<b>Araucaria excelsa</b> (Norfolk Island Pine).....	3 00
“ “ <b>glauca.</b> A variety with bluish tint..	4 00
“ “ “ <b>compacta,</b> Effective.....	
“ <b>Braziliensis</b> .....	1 00
<b>Alocasia macrorrhiza variegata.</b> White and green....	1 00
“ <b>metallica.</b> Massive metallic-bronze.....	1 00
“ <b>Johnstonii.</b> .....	1 00
“ <b>Sanderiana.</b> Rare species.....	3 00
“ <b>Sedeni.</b> Bronze-leaves, with white midrib.	2 00
“ <b>Zebrina.</b> Striped variety.....	1 00
<b>Anthurium crystallinum.</b> Massive, velvety foliage....	1 00
“ <b>grande.</b> Long, bronze foliage.....	1 00
“ <b>magnificum.</b> Showy.....	1 00
“ <b>regale.</b> Good, hardy variety.....	1 00
“ <b>Veitchii.</b> Long leaves.....	3 00
“ <b>Waroqueana.</b> Noble plant.....	3 00
<b>Asparagus decumbens.</b> Drooping species.....	75
“ <b>plumosus.</b> Climbing plant, indispensable.	75
“ <b>nanus.</b> Very fine for bouquets.....	75
“ <b>tenuissimus.</b> Fine, feathery foliage.....	35
<b>Aralia Chabrierii.</b> Dark green pinnate leaves.....	1 00
“ <b>filicifolia.</b> Graceful fern-like foliage.....	50
“ <b>Guilfoylei.</b> Beautiful variegated foliage.....	50
“ <b>Papyriferi.</b> Velvety, grayish foliage... ..	75
“ <b>Sieboldii.</b> Broad, massive leaves.....	50
“ “ <b>variegata.</b> Variegated form of the above	1 50
<b>Aspidistra lurida.</b> Most durable, effective plant....	75
“ “ <b>variegata.</b> White striped form.....	1 00
<b>Bambusa arundinacea.</b> Graceful and decorative....	2 00
<b>Begonia argentea guttata.</b> Foliage spotted with white.	50
“ <b>maculata.</b> Tall, white spotted.....	30
“ <b>manicata aurea.</b> Yellow, variegated leaves..	75
“ <b>metallica.</b> Rich colored foliage.....	25
“ <b>Rex.</b> In many varieties.....	25c. to 50
<b>Bertolonia guttata.</b> Spotted variety.....	75
“ <b>marmorata.</b> Silvery veins.....	75
“ <b>Van Houttei.</b> Choice stove-plant.....	2 00
<b>Bomeria Argentea.</b> Silvery foliage.....	50
<b>Billbergia Liboniana.</b> Interesting pineapple.....	1 00
<b>Bromeliads.</b> In many varieties.....	\$1 00 to 3 00
<b>Caladiums.</b> In best varieties.....	35c. to 1 00
<b>Campylobotrys Ghiesbreghtii.</b> Reddish bronze foliage.	50
“ “ <b>variegata.</b> White and red.	75
<b>Costus zebrina.</b> Large, massive green leaves .....	75
<b>Croton.</b> In choicest 25 varieties.....	50c. to 1 00
<b>Cissus discolor.</b> Beautiful climber.....	50
<b>Curmeria Wallisii.</b> Beautiful compact stove-plant...	2 50
<b>Cyanophyllum magnificum,</b> Noble plant.....	2 50
<b>Cycas circinalis.</b> More graceful foliage than Revoluta.	5 00
“ <b>revoluta</b> (Sago Palm). Very useful plant.....	2 00
<b>Cyperus alternifolius.</b> Fine decorative plant.....	25
“ “ <b>variegatus.</b> Foliage variegated..	1 00
<b>Darlingtonia Californica.</b> Curious pitcher plant.....	1 00

	Each.
<b>Dieffenbachia Baraquiniana.</b> White and green foliage	\$0 50
" <b>Bausei.</b> Yellow and white foliage.....	75
" <b>Bowmanni.</b> Yellow foliage.....	75
" <b>picta.</b> Green leaves, spotted white.....	75
" <b>Neo-Guineensis.</b> Green, splashed white.	1 00
" <b>splendens.</b> White and green foliage....	1 00
<b>Dionæa muscipula.</b> (Venus' Fly-Trap).....	50
<b>Dichorisandra musaica.</b> Beautiful stove-plant.....	1 50
<b>Dioscorea discolor.</b> Rare plant.....	1 00
<b>Dracaena amabilis.</b> Green, white and pink foliage...	1 00
" <b>Draco</b> (Dragon Tree). Fine massive plant.	3 00
" <b>fragrans.</b> Broad green arching leaves.....	50
" <b>hybrida.</b> Red, white and pink foliage.....	1 00
" <b>indivisa.</b> Narrow leaved, for vases.....	50
" <b>Lindeni.</b> Green with yellow stripes....	2 00
" <b>Massangeana.</b> Green with yellow middle...	1 75
" <b>Neo-Caledonica.</b> Massive, metallic leaves..	2 50
" <b>Shepherdii.</b> Broad red and yellow foliage...	50
" <b>terminalis.</b> Bright red and rose foliage....	50
"    " <b>stricta.</b> Broader foliage.....	1 00
" <b>Youngi.</b> Deep purple foliage.....	50
"    25 other varieties, according to size, 50c. to	3 00
<b>Duranta Baumgartii variegata.</b> Variegated plant.....	50
<b>Eucalyptus globulus.</b> Australian blue gum tree.....	25
" <b>citriodora.</b> Slender habit, lemon scented.	35
<b>Ficus repens.</b> Useful for covering walls.....	25
" <b>elastica.</b> The well-known rubber-plant.....	50
"    " <b>variegata.</b> Yellow and green foliage....	2 50
" <b>Parcellii.</b> White splashed leaves.....	1 00
<b>Fittonia argyreneura.</b> Beautiful stove evergreen plant.	25
" <b>Verschaffeltii.</b> Midrib of foliage dark red....	25
<b>Grevillea robusta.</b> Foliage plant of graceful habit..	50
<b>Gesneria fulgens.</b> Velvety foliage.....	1 00
<b>Hedera</b> (Ivy). In 20 var. for greenhouse or garden.	25
<b>Heliconia aureo-striata.</b> Strikingly handsome plant..	2 00
<b>Hibiscus Cooperi.</b> Nicely variegated foliage.....	50
<b>Laurus nobilis</b> (Sweet Bay Tree). A very decorative plant for lawns. Sizes and prices on application.	
<b>Maranta bicolor.</b> Green, with blotches of dark olive.	35
" <b>Kerchoveana.</b> Green, with purplish blotches.	50
" <b>Legrelliana.</b> Green, with a band of white...	50
" <b>Lietzii.</b> Deep metallic green.....	75
" <b>Makoyana.</b> Distinct markings.....	1 00
" <b>Massangeana.</b> Foliage beautifully marked..	50
" <b>micans.</b> Shiny green and white.....	50
" <b>Porteana.</b> Bright green, striped with white.	50
" <b>princeps.</b> Rich dark green leaves.....	1 00
" <b>pulchella.</b> Good variety for general purposes.	50
" <b>zebrina</b> (Zebra Plant). Velvety light green.	50
<b>Maranta Chimboracensis.</b> Green olive and white leaves	50
" <b>undulata.</b> Dark green, with white midrib..	50
" <b>ornata.</b> Grayish green, with light midrib..	50
" <b>arundinacea variegata.</b> Beautiful leaves.....	75
" <b>Goveana.</b> Light green, with dark markings.	35
<b>Mimosa pudica</b> (Sensitive Plant). Interesting.....	25
" <b>sensitiva.</b> Interesting, similar to the above.	75
<b>Nepenthes.</b> In best varieties .....\$3 00 to	5 00
<b>Panicum Variegatum.</b> White striped foliage.....	15
<b>Panax Victoriae.</b> Variegated leaved stove shrub.....	50
<b>Pandanus graminifolius.</b> Pretty dwarf growing var...	50
" <b>utilis.</b> A beautiful house plant.....	50
" <b>Veitchii.</b> Long, narrow, variegated leaves..	1 00
<b>Paulinia thalictrifolia.</b> Beautiful fernlike foliage....	75
<b>Peperomia argyræa.</b> Fleshy leaves, very handsome.	35
<b>Pepinia aphelandræflora.</b> Bright red flowers.....	35
<b>Philodendron spectabile.</b> Large, massive foliage.....	1 00
" <b>pertusum.</b> Grand foliage... ..	1 00
<b>Phrynium variegatum.</b> Beautiful stove-plant.....	75

Each.

<i>Philanthus nervosus pictus</i> . Beautiful colored foliage..	\$o 50
<i>Pothos argyræa</i> . Silvery green leaves.....	50
<i>Phyllotænium Lindeni</i> . Variegated leaves.....	I 00
<i>Rohdea Japonica variegata</i> . Variegated plant.....	75
<i>Sarracenia</i> . In best varieties.....	25c. to 75
<i>Senseveria Zelanica</i> . Curious .....	I 00
<i>Sonerilla Hendersonii</i> . Beautiful silvery foliage.....	50
<i>Spathophyllum pictum</i> . Noble plant.....	I 00
<i>Sphærogyne latifolia</i> . Massive, velvety green leaves.	I 50
<i>Strobilanthes Dyerianus</i> . Bright foliage.....	25
<i>Tradescantia discolor</i> . Green and purple leaves.....	50
<i>Vreesia splendens</i> . Yellow flowers.....	I 50
<i>Vinca major variegata</i> . Light green, white margins..	35
<i>Zamia integrifolia</i> . A very decorative plant.....	I 00

I will be pleased to quote special prices for large specimens, quantity, or any variety not in the Catalogue.

## Every Plantsman

SHOULD HAVE

# The Dictionary of Gardening

By GEORGE NICHOLSON.

Without doubt this is the greatest modern work on horticulture.

No branch is omitted, and every plant that is worth talking about is properly named and carefully described. The cultivation time of flowering or fruiting, and every particular given concerning it that can be of practical value.

Harmful insects, plant diseases, and their remedies, are fully dealt with by the best authority. To sum it all up in a sentence—there is no book in existence of such value to all who grow plants and trees.

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## Palms.

In the whole vegetable kingdom there is no family of plants so graceful, attractive, and one that deserves to be generally cultivated, than palms. Most kinds are invaluable for decorative purposes and house culture. I have omitted to price any of the varieties, as the prices are governed by the size of the plant, and vary from **50c. to \$5.00 each**, according to size and kinds, of which I would be pleased to give particulars on application.

- Areca Baurei.** Hardy, cool plant.
- “ **lutescens.** Bushy and decorative.
- “ **rubra.** Striking species.
- “ **sapida.** Cool and hardy palm.
- “ **Verschaffeltii.** Very ornamental.
- Atalea mariposa.** Rare and noble plant.
- Brahea edulis.** Cool, hardy variety.
- “ **filamentosa.** Ornamental species.
- “ **glauca.** Bluish foliage, rare.
- Chamædorea Pringellii.** Rare species.
- Caryota urens.** “Fish Tail” palm.
- Cocos Weddelliana.** Very graceful.
- “ **Romansoffiana.** Tall growing kind.
- “ **Campestris.** Rare in cultivation.
- Chamærops elegans.** Very hardy.
- “ **humilis.** Dwarf, hardy plant.
- “ **Fortunii.** Compact, useful palm.
- Corypha Australis.** Very decorative.
- “ **gebanga.** Rarely cultivated.
- Erythea edulis.** Very hardy variety.
- Geonoma elegans robusta.** Beautiful.
- “ **gracilis.** Very ornamental.
- “ **imperialis.** Graceful variety.
- “ **princeps.** Distinct species.
- “ **pumila.** Dwarf variety.
- “ **Pohliana.** Broad, divided foliage.
- “ **Schottiana.** Fine, imposing plant.
- Kentia Belmoreana.** The most useful palm.
- “ **Canterburyana.** Larger foliage.
- “ **Fosteriana.** Tall and graceful.
- “ **McArthurii.** Distinct species.
- Latania borbonica.** Very useful palm.
- “ **rubra.** Choice and rare variety.
- Licuala grandis.** A noble species.
- Livistonia rotundifolia.** Dwarf and handsome.
- Oreodoxia regia.** The royal palm.
- Phoenix cycadæfolia.** Broad fronds.
- “ **paludosa.** Tall growing kind.
- “ **reclinata.** Useful, decorative plant.
- “ **pumila.** Compact species.
- “ **Canariensis.** Handsome variety.
- “ **dactylifera.** The date palm.
- “ **Leonensis.** Rare species.
- “ **Senegalensis.** Glauous fronds.
- “ **farinifera.** Tall growing species.
- “ **rupicola.** Most graceful variety.
- Rhaphis flabelliformis.** Hardy and ornamental.
- “ **humilis.** Useful variety.
- Sabal Adansonii.** A striking palm.
- “ **glauca.** Handsome species.
- “ **umbraculifera.** Useful, decorative plant
- Seaforthia elegans.** Quick growing palm.
- Thrinax elegans.** Very graceful variety.

## FERNS AND SELAGINELLAS.

The Fern is one of the most beautiful foliage plants there is. In the different species their height varies from a few inches to twenty feet. No collection of plants should be without a few representatives of this order, as they harmonize with any class of plants.

	Each.
<b>Adiantum Capillus Veneris imbricatum.</b> (See Novelty portion.)	
“ <b>Bausei.</b> Elegant large arching fronds . . .	\$o 50
“ <b>bellum.</b> Beautiful, dwarf and compact . . .	50
“ <b>cuneatum.</b> The best for general use . . . . .	25
“ <b>Edgeworthii.</b> Fronds, narrow stem covered with down . . . . .	50
“ <b>Farleyense.</b> The most beautiful adiantum .	I 00
“ <b>gracillimum.</b> Very fine and beautiful . . . .	50
“ <b>princeps.</b> Arching fronds, very graceful . .	75
“ <b>pubescens.</b> A beautiful growing variety . .	25
“ <b>trapeziforme.</b> Large, elegant fronds . . . .	75
“ <b>Williamsii.</b> The golden Maiden-Hair . . . .	75
<b>Alsophila australis</b> (Tree Fern). Long fronds . . . .	3 50
<b>Asplenium Bulbiferum.</b> A beautiful dense fern . . . .	50
<b>Davallia tenuifolia stricta.</b> Dwarf growing habit . . . .	25
“ <b>Fijiensis plumosa.</b> Lacy and arching fronds .	I 50
<b>Dicksonia antarctica</b> (Tree Fern). The grandest of this type . . . . .	2 50
<b>Didimochlæna lunulata.</b> A very beautiful variety . . .	75
<b>Gymnogramma Peruviana argyrophylla</b> (Silver Fern) . . .	I 50
“ <b>chrysophylla</b> (Gold Fern). Very fine . . . .	50
<b>Lomaria gibba.</b> A dwarf growing tree fern . . . . .	I 00
<b>Lastrea cristata variegata.</b> Fine fern, yellow variegation . . . . .	35
<b>Microlepia hirta cristata.</b> Graceful crested fronds . .	50
<b>Nephrodium molie cristatum.</b> Fine crested variety . .	I 50
<b>Neprolepsis exaltata.</b> Long and upright fronds . . . .	50
“ <b>davalloides furcans.</b> Long light green fronds . . . . .	I 00
“ <b>rufescens tripinnatifida.</b> Fine, long upright fronds . . . . .	I 00
<b>Onychium Japonicum.</b> A fine fern for vases . . . . .	25
<b>Platynerium alcorne</b> (Stag-Horn Fern). Easily grown .	I 00
“ <b>Æthiopicum.</b> A fine form of this fern . . . .	5 00
“ <b>grande.</b> Rare and beautiful. (Price on application.)	
<b>Polystichum setosum.</b> Fine spreading habit . . . . .	25
<b>Polypodium aureum.</b> Well suited for rockwork . . . .	35
<b>Pteris argyrea.</b> Fronds marked with white . . . . .	50
“ <b>cretica albo-lineata.</b> Fine for table decoration .	25
“ <b>longifolia.</b> Oblong lanceolate fronds . . . . .	25
“ <b>nobilis.</b> Broad crested fronds, dwarf . . . . .	75
“ <b>serrulata</b> (Spider Fern). Long bipinnate fronds . . . . .	25
“ <b>Smithii.</b> A beautiful crested variety . . . . .	I 50
“ <b>Victoria.</b> Centre of frond silvery white . . . . .	25
<b>Scolopendrium vulgare</b> (Hart's Tongue). Hardy . . . .	25
<b>Selaginella Africana.</b> A tall, erect variety . . . . .	25
“ <b>Brownii.</b> Very dwarf, extra fine . . . . .	25
“ <b>cæsia.</b> A pretty trailing variety . . . . .	25
“ “ <b>arborea.</b> The most beautiful . . . . .	50
“ <b>caulescens.</b> Strong, erect growing . . . . .	25
“ <b>cuspidata.</b> Beautiful, compact . . . . .	25
“ <b>denticulata</b> (Florida Moss). Vigorous . . . . .	25
“ “ <b>aurea.</b> A yellow variety . . . . .	25
“ <b>flabellata.</b> A stove species, bright green .	25
“ <b>gracilis.</b> Very elegant habit . . . . .	50
“ <b>Martensii variegata.</b> Very decorative dwarf	25
“ <b>Pitcheriana.</b> Fronds green, stems red . . . .	25
“ <b>umbrosa.</b> A strong growing variety . . . .	25

## HARDY HERBACEOUS PLANTS.

These are the old-time favorites found in every old-fashioned garden—plants that have been neglected for a number of years, but which of late are receiving again the proper recognition due them on account of their many good qualities.

In the first place, they are inexpensive plants, not only in their original cost, but considering that when once planted they grow and increase from year to year, while the cost of maintenance is very slight.

With a good assortment of Hardy Perennials a continuous show of flowers can be kept from the early spring until the frost cuts down all vegetation. With a judicious selection of these plants, not only can flower beds and border be made attractive, but when proper kinds are chosen the ponds and marshes can be turned into an admiring object. Barren rocks and sand hills alike can be made beautiful, while, if planted in an informal, careless way, the pleasing effect of a wild garden is produced.

**CULTURE.**—The best time for planting Hardy Herbaceous Plants is from March to May, and from September to November. They require good, rich, loam to grow them to perfection, while if the soil is perfectly drained, no protection is needed in the winter, with the exception of a slight cover to prevent the sudden thawing and freezing.

In the following list, only such varieties are given as I have found from long experience to be of real merit. To save my customers trouble, I have added numerous collections of my own selection for different purposes, and which I strongly recommend.

	Each.
<i>Achillea millefolium rubra</i> . Pretty rose colored flowers	\$o 20
“ <i>serrata plena</i> . “The Pearl.” Pure white..	15
“ <i>tomentosa</i> . Fine for rockwork, yellow.....	20
<i>Agrostemma coronaria</i> (Rose Campion). Pink flowers.	20
<i>Ajuga Genevensis</i> . Suitable for rockwork.....	15
“ <i>reptans</i> . Blue flowers, compact grower.....	15
“ “ <i>variegata</i> . A variegated form, fine...	25
<i>Althæa rosea</i> (Hollyhock). Single, extra fine varieties	20
“ “ <i>fine double varieties</i> . All colors.....	25
<i>Alyssum saxatile compactum</i> . Yellow flowers, early...	15
<i>Anemone Japonica</i> . Flowers, beautiful rose.....	20
“ “ <i>alba</i> . A white form of the above.	20
“ “ <i>rosea</i> . A beautiful pink variety..	25
“ <i>Pennsylvanica</i> . Pretty white flowers.....	15
“ <i>sylvestris</i> . Pure satiny, white flowers.....	25
<i>Aquilegia Canadensis</i> . Scarlet and yellow.....	15
“ <i>chrysantha</i> . Bright primrose yellow.....	20
“ <i>hybrids finest assorted</i> . The very best varieties.....	20
“ <i>vulgaris alba</i> . White flowers, useful.....	15
<i>Arabis albidia</i> (Rock Cress). Fine rock plant.....	15
<i>Armeria maritima</i> (Sea Pink). Pretty rose flowers...	20
“ <i>cephalotes</i> . A very beautiful variety.....	25
“ <i>plantaginea</i> . Broad foliage, rose flowers....	25
<i>Artemisia Abrotanum</i> (Old Man). Shrubby.....	20
“ <i>Ludoviciana</i> . A trailing species, silvery foliage.....	15
“ <i>pontica</i> . Well adapted for carpet bedding.	10
<i>Asclepias tuberosa</i> (Butterfly Weed). Orange red flowers.....	20
<i>Aster Nova Angliæ</i> . Purple with orange centre.....	15
“ Many varieties for wild gardens. The best sorts only.....	10

	Each.
<b>Campanula (Harebell) Carpatica.</b> Bluebell-shaped flowers .....	\$0 20
“ <b>grandiflora.</b> Large, deep slate blue .....	20
“ <b>persicifolia.</b> Flowers pale blue, useful....	15
“ “ <b>alba.</b> A white variety.....	20
“ <b>pyramidalis.</b> An effective plant.....	20
“ <b>Medium (Caterbury Bell).</b> Choice, mixed.	20
<b>Cassia Marylandica (Senna).</b> Yellow flower.....	25
<b>Clematis Davidiana.</b> Erect habit, blue flowers.....	25
“ <b>Stans.</b> Similar to above, flowers white.....	25
<b>Clematis.</b> Other varieties, see Vines.	
<b>Convallaria majalis (Lily of the Valley).</b> Clumps, a great favorite.....	25
<b>Coreopsis lanceolata.</b> Bright golden flowers, excellent	15
“ <b>rosea.</b> Flowers rose color, with yellow disc .....	15
<b>Crucianella stylosa.</b> Fine rosy flowers.....	20
<b>Delphinium formosum (Larkspur).</b> Rich blue, tinged purple.....	20
“ <b>hybrid (assorted varieties).</b> Extra fine sorts.....	20
“ <b>Sinense (assorted varieties).</b> Dwarf, Free flowering .....	15
<b>Dianthus barbatus (Sweet William).</b> Flowers various colors.....	15
“ <b>superbus.</b> A very handsome variety,.....	20
“ <b>plumarius plenus.</b> Double, garden, pink, fragrant.....	20
<b>Dicentra eximea.</b> Rose colored flowers.....	20
“ <b>spectabilis (Bleeding Heart).</b> Flowers heart-shaped .....	20
<b>Digitalis purpurea (Foxglove).</b> Very ornamental, bright purple.....	15
“ <b>alba.</b> A white form of the above.....	15
<b>Doronicum plantagineum excelsum.</b> Yellow on long stems.....	25
<b>Eryngium amethystinum.</b> A grand plant for shrubberies	15
<b>Euphorbia corollata (Flowering Spurge).</b> Fine for cutting.....	20
<b>Funkia cordata (Day Lily).</b> Leaves ovate, flowers white.....	20
“ <b>grandiflora.</b> Flowers pure white.....	20
“ <b>lanceolata.</b> Narrow leaves, white flowers....	15
“ <b>undulata variegata.</b> Beautiful variegated leaves.....	20
<b>Gaillardia grandiflora hybrida (Blanket Flower).</b> Flowers all summer.....	20
“ “ <b>maxima.</b> A grand, yellow variety.....	25
<b>Glechoma hederacea variegata.</b> Trailing variegated plant.....	15
<b>Gypsophila paniculata (Baby's Breath).</b> Small white flowers.....	20
<b>Helenium autumnale.</b> Large yellow flowers.....	20
<b>Helianthus multiflorus (Perennial Sunflower).</b> Large yellow flowers....	25
“ “ <b>plenus.</b> Fine double flowers....	15
“ “ <b>grandiplenus.</b> Improved form...	20
“ “ <b>Soleil d'Or.</b> Fine, soft yellow....	25
“ <b>Maximilianus.</b> Fine, late variety.....	20
“ <b>mollis grandiflorus.</b> Chrome yellow, single flower.....	25
“ <b>orgyalis.</b> Drooping leaves, very free....	25
“ <b>rigidus.</b> Flowers yellow with dark centre	20
“ “ <b>semiplenus.</b> Semi-double, very fine	25
<b>Heliopsis lævis (Ox Eye).</b> Large yellow flowers....	15
<b>Helleborus niger (Christmas Rose).</b> Pure white....	20



	Each.
<b>Hemerocallis flava</b> (Day Lily). Golden yellow, sweet scented.....	\$o 20
“ <b>fulva</b> . Common variety, tawny yellow .....	15
“ <b>Dumortierii</b> . Flowers large, orange yellow.....	20
“ <b>rutilans</b> . Fine, yellow flowers .....	20
“ <b>Thunbergii</b> . Fragrant, golden yellow....	20
<b>Hibiscus Californicus</b> (Marsh Mallow). Large, white, purple centre.....	25
“ <b>militaris</b> . Rose colored flowers.....	25
“ <b>incanus</b> . Large white flowers.....	30
“ <b>moscheutos</b> . A beautiful species.....	20
<b>Iberis sempervirens</b> (Evergreen Candytuft). White flowers, early.....	20
<b>Iris Germanica</b> (Fleur de Lis). Assorted, beautiful varieties.....	20
<b>Iris Kämpferii</b> (Japan Iris). Extra fine, very beautiful.	20
“ “ many varieties. See Novelty List.	
“ <b>pseudo-acorus</b> (Water Flag). Large yellow flowers .....	15
“ “ <b>variegata</b> . Foliage striped with white ...	25
“ <b>Siberica sanguinea</b> . Large purple flowers.....	15
<b>Lathyrus latifolius</b> (Everlasting Pea). Blooms freely...	20
<b>Lepachys pinnata</b> . Flowers fine light yellow.....	20
<b>Liatris scariosa</b> (Button Snake-root). Purple flowers..	20
“ <b>spicata</b> (Blazing Star). Short purple spikes ....	20
<b>Lobelia cardinalis</b> (Cardinal Flower). Beautiful scarlet red.....	15
<b>Lychnis Chalcedonica</b> . Flowers, scarlet.....	20
<b>Lysimachia Nummularia</b> (Moneywort). Bright yellow flowers.....	15
<b>Monarda didyma</b> .. Bright, red, showy flowers .....	20
“ <b>fistulosa</b> . Flowers lilac-purple.....	20
<b>Myosotis palustris semperflorens</b> (Forget-Me-Not). Perpetual flowers .....	15
<b>Oenothera fruticosa</b> (Evening Primrose). Yellow flowers.	20
<b>Opuntia Rafinesquii</b> (Prickly Pear). Soft, yellow flowers.	20
“ <b>vulgaris</b> . Fine, yellow flowers.....	20
<b>Pæonies</b> , herbaceous, assorted. In best varieties only.	25
“ Pink, extra fine variety.....	35
“ Pink and white, very beautiful.....	35
“ Red, beautiful color .....	35
“ White, very fine.....	35
“ Extra large clumps, 6oc. to \$1.00 each.	
<b>Papaver</b> , in many varieties. See Novelty List.	
“ <b>Alpinum</b> (Poppy). Small, reddish flowers....	20
“ <b>bracteatum</b> . Blood-red flowers.....	20
“ <b>involucratum</b> . Very fine, large-flowered ....	20
“ <b>Orientele</b> . The finest perennial Poppies....	20
“ <b>nudicaule</b> . Excellent for cutting.....	15
<b>Pentstemon barbatus</b> . Deep, scarlet flowers.....	20
“ <b>diffusus</b> . Blooming nearly all summer ..	20
“ <b>Digitalis</b> . Tall, white flowered.....	20
<b>Phlox amœna</b> . Favorite border plants.....	15
“ <b>Carolina</b> . Reddish purple flowers.....	15
“ <b>reptans</b> Creeping variety, violet flowers.....	15
“ <b>stellaria</b> . White flowers pink eyes... ..	25
“ <b>subulata</b> (Moss Pink). Very dwarf, early.....	15
“ “ <b>alba</b> . A beautiful white form.....	15
“ <b>paniculata</b> , in assorted varieties. . The very finest.	15
“ “ “ sorts.....	15
“ “ in many varieties. See Novelty List.	
“ “ “The Pearl.” Flowers, pure white, the finest.....	20
<b>Polemonium cœruleum</b> (Jacob's Ladder.) Blue flowers.	20
“ “ <b>album</b> . White variety of above .....	25
“ <b>reptans</b> . Dense Clumps of blue flowers..	15

	Each.
<b>Polygonum cuspidatum crispulum.</b> Feathery white flowers.....	\$0 35
“ <b>Sachalinense.</b> Handsome bushy plant...	30
<b>Pyrethrum roseum</b> , in assorted varieties.....	25
“ “ in many varieties. <b>See Novelty List.</b>	
“ <b>uliginosum</b> (The Giant Daisy). White flowers, in fall.....	20
<b>Rudbeckia maxima</b> (Cone-flower). Large yellow flowers	25
“ <b>fulgida.</b> Orange yellow, disc dark purple.	20
“ <b>speciosa.</b> Yellow, dark purple disc.....	20
“ <b>subtomentosa.</b> Fine for borders.....	20
<b>Salvia pratensis</b> (Sage). A blue flowering plant.....	20
<b>Sedum Fabarium</b> (Stone Crop). Rosy pink flowers...	20
“ <b>Spectabile.</b> One of the best border plants...	20
<b>Silphium perfoliatum</b> (Cup Plant). Tall plant.....	25
<b>Solidago</b> (Golden Rod), many varieties for wild gardens...	15
<b>Spiræa aruncus</b> (Meadow Sweet). White long spikes..	25
“ <b>astilboides.</b> Flowers white, graceful.....	25
“ <b>filipendula.</b> Flowers white and rose.....	20
“ “ <b>plena.</b> White double flowers.....	25
“ <b>Japonica.</b> Pure white flowers.....	15
“ “ <b>grandiflora.</b> Larger and closer flowers.....	25
“ <b>palmata.</b> Brilliant crimson flowers.....	25
“ <b>ulmaria plena.</b> Double white flowers.....	25
“ “ <b>variegata.</b> Variegated foliage.....	25
<b>Statice latifolia.</b> Blue flowers on large panicles.....	25
<b>Thermopsis Caroliniana.</b> Yellow flowers, early.....	25
<b>Tunica saxifraga.</b> Small pink flowers.....	20
<b>Verbascum Phœniceum.</b> Red, white and violet flowers	20
<b>Veronica longifolia subsessilis.</b> Deep rich blue.....	25
“ <b>rupestris.</b> Dark blue flowers.....	20
“ <b>spicata.</b> Bright blue flowers.....	20
“ <b>Virginica.</b> Tall spikes of white flowers....	20
<b>Vinca minor</b> (Periwinkle). Fine for growing under trees.....	10
“ “ <b>fl. pl.</b> Double flowers, green foliage...	15
“ “ <b>fol. var.</b> Foliage, variegated, handsome.	20
<b>Yucca filamentosa.</b> Fine spikes of white flowers ..	35

**Do not** be misled because you see the firm name of Pitcher & Manda unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it. You will find the *original* and *only*

# W. A. MANDA

AT THE

## Universal Horticultural Establishment,

SOUTH ORANGE, N. J.

## SPECIAL COLLECTIONS.

With my life-long experience in Hardy Perennials, I will be pleased to make up collections suitable for any purpose, at the following reduced prices :

### MY OWN SELECTION, ONE OF EACH.

	Collection of 12.	Collection of 25.	Collection of 100.
For shady situations.....	\$1 50	\$3 00	\$12 00
For sunny situations.....	1 50	3 00	12 00
For borders .....	1 50	3 00	12 00
For rockwork.....	1 50	3 00	12 00
For wild gardens .....	1 25	2 50	10 00
For edging.....	1 25	2 50	
For shrubberies ....	1 75	3 50	14 00
For covering rocks and ledges .....	1 50	3 00	
For dry grounds.....	1 50	3 00	
For wet grounds.....	1 75	3 50	
For marshy grounds.....	1 75	3 50	
For sandy grounds.....	1 50	3 00	
For clay grounds.....	1 50	3 00	
For spring flowering.....	1 50	3 00	
For summer flowering.....	1 50	3 00	
For autumn flowering.....	1 75	3 50	
Low-growing plants .....	1 25	2 50	10 00
Tall-growing plants .....	1 75	3 50	
Plants of medium height....	1 50	3 00	12 00
Plants with showy foliage...	1 75	3 50	
Plants for cut flower pur- poses ...	1 50	3 00	12 00
Plants with white flowers...	1 75	3 50	
Plants with red flowers .....	1 75	3 50	
Plants with yellow flowers ..	1 75	3 50	
Plants with blue or purple flowers.....	1 75	3 50	
Collection of Hardy Ferns ..	2 00	4 00	
Collection of Hardy Orna- mental Grasses ..	2 50	5 00	
Collection of Hardy Aquatics	3 50	7 00	
Collection of Hardy Orchids.	3 50	7 00	
Collection of Pæonies ...	4 50	9 00	
Collection of Phloxes.....	3 50	7 00	
Collection of Irises.....	3 00	6 00	22 00
Collection of Pyrethrums...	3 50	7 00	
Collection of Delphiniums...	3 50	7 00	

Correspondence solicited from parties wishing to plant borders, rockwork or wild gardens with Hardy Perennials.

Intending purchasers of large quantities of Ornamental Trees, Shrubs and Vines, or Fruit Trees, Shrubs and Vines, will do well to correspond with me, and my prices for reliable goods, and advice what and how to plant. You will not only save money by contracting with me for your planting, or anything in the Landscape Department, but you will have efficient work done, the result of years' hard study, close observation, and large practical experience. Please read my remarks on Landscape Gardening.

Plant Hardy Plants, Trees, Shrubs or Vines, and they will increase yearly in size and beauty. Once planted they live forever.

## ORNAMENTAL TREES.

In this and other climates where great extremes of temperature are experienced, it is necessary to plant only the most hardy varieties of trees. Impressed with the importance of this fact, I have omitted from my list all varieties which are not perfectly hardy.

### ACER (MAPLE.)

A genus comprising for the most part handsome, hardy trees and shrubs. The chief characteristics of this beautiful tree is its fine habit as a shade tree and its peculiar, whitish bark. Some of the Japanese varieties are very desirable, being dwarf in habit and having beautiful shaped brilliant foliage. and therefore desirable for lawns.

	Each.
<i>Colchicum rubrum</i> . Tree of medium size and elegant form.....	\$1 00
<i>Dasycarpum</i> . Large, rapid grower, foliage green...	50
“ <i>Wierii</i> . A rapid growing, slender drooping sort.....	75
<i>Negundo fol. var.</i> One of the finest variegated forms	2 00
<i>Pennsylvanicum</i> . A native species, dwarf habit....	75
<i>Platanoides</i> . Large, handsome tree, shining green foliage.....	75
“ <i>digitatum foliis aureo-marginatum</i> . New leaves, gold margined.....	1 00
“ <i>dissectum</i> . A compact growing sort, with fine foliage.....	1 00
“ <i>laciniatum</i> . Rare, deep-lobed and sharp-pointed leaves.....	1 00
“ <i>Reitenbachi</i> . Fine variety, dark-purple leaves.....	1 00
“ <i>Schwedlerii</i> . Young shoots, bright purplish and crimson color.....	1 00
<i>Polymorphum</i> (Japan Maple). Makes fine, isolated specimen.....	1 00
“ <i>atropurpureum</i> . Ornamental, shrubby foliage, dark purple.....	2 00
“ <i>dissectum atropurpureum</i> . Dwarf and weeping, very finely divided leaves.	2 00
<i>Saccharinum</i> . The well-known sugar maple.....	50
<i>Spicatum</i> . A very attractive native species of dwarf growth.....	75

### ÆSCULUS (HORSE CHESTNUT).

Trees of elegant habit, magnificent foliage and fine large spikes of flowers in May and June, well adapted for lawns or parks.

	Each.
<i>Glabra</i> . Forms a large-sized tree, flowers yellow..	\$0 50
<i>Hippocastanum</i> . Makes a beautiful tree, white....	50
“ fl. pl. Double red variety.....	1 00
“ alba fl. pl. Double white variety.....	1 00

### ALNUS (ALDER).

In the spring they are covered with cone-shaped catkins, giving it a striking appearance. They do best planted in a damp situation.

	Each.
<i>Incana laciniata</i> . A distinct, handsome tree.....	\$0 75



**AMELANCHIER (MESPILUS).**

Hardy, deciduous shrubs and small trees, producing racemes of beautiful, white flowers.

	Each.
<b>Alpina.</b> A beautiful, dwarf variety.....	\$0 50
<b>Botryapium.</b> An American species, known as June berry.....	50

**BETULA (BIRCH).**

Ornamental deciduous trees or shrubs, well adapted for lawns or parks. Their graceful drooping branches and striking white bark makes them favorites everywhere.

Some of the varieties are among the hardiest trees in existence.

	Each.
<b>Alba.</b> A graceful tree with silvery bark.....	\$0 50
“ <b>Atropurpurea.</b> Vigorous habit, purple foliage.	1 00
“ <b>Fastigata.</b> Elegant pyramidal, habit ornamental .....	1 00
“ <b>Pendula Laciniata.</b> One of the finest weeping trees.....	1 00
<b>Papyracea.</b> Brilliant white bark, native of America	50

**CASTANEA (CHESTNUT).**

Too well known to need description.

	Each.
<b>Americana.</b> The native variety Chestnut.....	\$0 50
<b>Japonica.</b> Forms a handsome lawn tree.....	1 00
<b>Vesca Fol. Var.</b> Variegated foliage, fine.....	1 00

**CATALPA.**

Very effective tropical looking lawn trees. The large, white flowers borne in July, when few trees are in bloom, make them great favorites.

	Each.
<b>Bungei.</b> A dwarf species from China.....	\$1 00
<b>Bignonioides.</b> Native of the Southern States.....	50
“ <b>Aurea Variegata.</b> Leaves in spring, yellow, turning to green.....	75
“ <b>Purpurea.</b> Foliage large, dark purple..	1 00
“ <b>Speciosa.</b> A fine and hardy variety...	50

**CERASUS (CHERRY).**

A very ornamental variety of trees as single specimens on the lawn. They are unique and handsome, and require only to be better known in order to be extensively planted.

	Each.
<b>Japonica pendula.</b> One of the finest small headed pendent sorts.....	\$1 50
“ <b>rosea pendula.</b> Graceful variety with double rosy flowers.....	1 50
<b>Sieboldii alba plena.</b> Fine semi-double white flowers.	50
“ <b>rubra plena.</b> Semi-double flowers, white tinged with red.....	50

**CERCIS (JUDAS TREE OR RED BUD).**

A very ornamental native tree of medium size, with perfect heart shaped leaves. The tree derives the name

of "Red Bud" from the profusion of delicate reddish flowers which come before the leaves.

Each.

**Japonica.** A very fine variety medium size.....\$1 00

**Alba.** Beautiful sort, vigorous grower..... 1 00

**Rosea.** Planted extensively, a fine variety..... 1 00

### CHIONANTHUS (FRINGE TREE).

A small native shrub or tree of moderate growth, flowers white, appearing in June in great profusion, in long drooping racemes, covering the trees.

Each.

**Virginica.** A very beautiful tree for the lawn.....\$0 75

### CLADRASTIS (YELLOW WOOD).

One of the finest American trees. Flowers pea shaped, white, and sweet scented, a general favorite.

Each.

**Tinctora.** Rich luxuriant foliage, very fine.....\$1 00

### CORNUS (FLOWERING DOGWOOD).

A native tree of irregular form. The flowers are produced in spring, before the leaves appear, and are very showy. Taken all in all, it is one of the best trees for ornamental planting.

Each.

**Florida.** White flowers, a fine form. . . . . \$1 00

" **flora rubra.** Flowers, tinted with bright red. 1 00

" **pendula.** A variety with graceful drooping branches..... 2 00

### CRATÆGUS (THORN).

One of the most beautiful flowering trees. They are dense and low growing, occupying very little room, and well adapted to beautify small grounds. Their foliage is varied and attractive, and their flowers very showy and often highly perfumed.

Each.

**Lalandii.** A very fine variety.....\$1 00

**Oxyacantha candida plena.** A good grower, pure white 1 00

" **coccinea flora plena.** Fine habit, double red..... 1 00

" " " **Paulii.** Flowers bright carmine red. 1 00

### CYTISUS (GOLDEN CHAIN).

A very handsome, yellow flowering tree, with smooth shining foliage. The name "Golden Chain" alludes to the length of its drooping racemes of yellow flowers.

Each.

**Laburnum.** A native of Europe, very fine.....\$0 50

### FAGUS (BEECH).

This class is noted for their rich, glossy foliage and elegant habit. As single specimens upon the lawn they exhibit an array of valuable and attractive features not to be found in other trees.

Each.

**Asplenifolia.** Foliage very luxuriant and beautiful.. \$1 50

**Ferruginea.** One of the finest American trees..... 50

**Sylvatica pendula.** A very beautiful, weeping variety 1 50

" **purpurea.** Deep purple foliage, extra fine.. 1 50

" " **major.** An erect, rapid growing sort 2 00

**Tricolor.** One of the finest sorts, very beautiful... 2 00

**FRAXINUS (ASH).**

This is a genus that comprises many species and varieties of great beauty and value.

	Each.
<b>Americana.</b> A well-known native tree....	\$0 50
<b>Excelsior.</b> A lofty tree of rapid growth....	50
“ <b>Aurea.</b> Yellow bark, a conspicuous tree.	1 00
“ <b>Pendula.</b> One of the finest lawn and arbor trees.....	1 00

**GLEDITSCHIA (HONEY LOCUST).**

A rapid growing tree, sometimes used for hedges.

	Each.
<b>Gleditschia Triacanthos.</b> A rapid growing native tree, very thorny.....	\$0 50
“ <b>Bujoti Pendula.</b> An elegant tree with drooping branches..	2 00

**GYMNOCLADUS (KENTUCKY COFFEE TREE).**

A fine native tree, growing rapidly, with rough bark, stiff, blunt shoots and feathery foliage.

	Each.
<b>Canadensis.</b> Fine quick growing tree .....	\$0 75

**JUGLANS (WALNUT).**

The well-known walnut tree of our forests. Some of the varieties have very beautiful foliage, hardy and vigorous. Most valuable timber tree.

	Each.
<b>Cinerea</b> (Butternut). Foliage resembling that of the Ailanthus.....	\$0 50
<b>Nigra</b> (Black Walnut). Majestic habit, grows to a great size.....	50
<b>Regia.</b> A native of Persia, of medium growth.....	50

**KOELREUTERIA.**

A hardy, small, roundheaded tree from China, particularly valuable for its brilliant golden blossoms, which are produced so late in the season that few, if any, trees are in bloom.

	Each.
<b>Paniculata.</b> Fine lobed leaves and showy yellow flowers .....	\$1 00

**LIQUIDAMBAR (SWEET GUM).**

One of the finest American trees. Of medium size and moderate growth. Leaves resemble somewhat those of the maple. Form roundheaded or tapering. very handsome in the autumn.

	Each.
<b>Styraciflua.</b> Beautiful in all stages of growth.....	\$1 00

**LIRIODENDRON (TULIP TREE).**

A magnificent native tree, of tall pyramidal habit, with glossy leaves of a light green color, and beautiful tulip-like flowers. Rather difficult to transplant unless of small size.

	Each.
<b>Tulipifera.</b> One of the finest shaped lawn trees....	\$0 75
“ <b>fol. variegatis.</b> A very fine variegated form.....	1 00

**MACLURA (OSAGE ORANGE).**

A native tree of medium size and spreading habit. The fruit resembles an orange.

**Aurantiaca.** Extensively used for hedges..... Each.  
\$0 50

**MAGNOLIA.**

Their superior stateliness of form and splendor of growth, the size and richness of their foliage, and lavish yield of fragrant flowers, all tend to place them in the foremost rank among hardy trees and shrubs. They may be planted effectively in borders, and look fine when planted singly on the lawn.

	Each.
<b>Acuminata.</b> A beautiful pyramidal growing tree ..	\$0 50
<b>Conspicua.</b> Shrub like in growth. Flowers large	1 50
<b>Glauc.</b> A small tree, indigenous to New Jersey..	1 00
<b>Gracilis.</b> One of the finest forms of dwarf varieties.....	1 00
<b>Kobus.</b> Flowers bluish-white and fragrant, bushy growth.....	1 00
<b>Lennei.</b> Foliage large, flowers dark purple....	2 00
<b>Macrophylla.</b> A fine species of medium size, very long leaves.....	2 00
<b>Norbertiana.</b> Vigorous and of regular outline.....	2 00
<b>Obovata.</b> A dwarf species with showy purple flower .....	1 00
<b>Purpurea.</b> An excellent sort, very showy.....	2 00
<b>Soulangeana.</b> Flowers white and purple, one of the best.....	2 00
<b>Speciosa.</b> One of the most valuable varieties....	1 00
<b>Stellata.</b> Dwarf species, with pure white semi-double flowers.....	2 00
<b>Tripetela.</b> A hardy, medium sized tree, enormous leaves.....	1 00
<b>Yulan.</b> A very distinct and showy variety.....	2 00

**MORUS (MULBERRY).**

The mulberry is not only valuable on account of its fruit, which is highly esteemed by some, but its habit of growth renders it a desirable shade tree. It is necessary also for the successful growth of the silkworm.

	Each.
<b>Alba.</b> Fruit small, nearly white. Tree of rapid growth.....	\$0 50
<b>Downingi.</b> Vigorous and productive. Desirable shade tree.....	50

**PAULOWNIA.**

A magnificent, tropical looking tree, from Japan, of extremely rapid growth and surpassing all others in the size of its leaves.

	Each.
<b>Imperialis.</b> Blossoms trumpet shaped.....	\$0 75

**PAVIA (SMOOTH FRUITED HORSE CHESTNUT).**

A fine, native tree, having pale-green, downy leaves. The tree, when it acquires age, forms a globular head twenty to forty feet in height.

	Each.
<b>Flava.</b> A very vigorous sort.....	\$1 00
<b>Rubra.</b> Small sized tree, with brownish-red flowers	1 00



**PERSICA (PEACH).**

The rare beauty of the Flowering Peach, with its great mass of bloom, renders it one of the most beautiful spring flowering trees.

	Each.
<b>Vulgaris fl. alba plena.</b> Very ornamental, perfectly hardy.....	\$0 50
“ “ <b>rosea plena.</b> Flowers, double, pale rose color.....	50

**PHELLODENDRON (CHINESE CORK TREE).**

A hardy, large growing tree, with elegant, pinnate foliage, three to four feet long. In its general appearance and rapidity of growth it resembles the Ailanthus.

	Each.
<b>Amurense.</b> A hardy tree from Manchooria.....	\$1 00

**PLATANUS (PLANE TREE).**

A tree of the largest size, growing rapidly, very ornamental and entirely hardy. One of the best street or avenue trees.

	Each.
<b>Occidentalis.</b> Leaves heart shaped at base, the short lobes sharp pointed.....	\$0 50
<b>Orientalis.</b> Similar to the above, but leaves more deeply cut.....	50

**POPULUS (POPLAR).**

One of the finest hardy deciduous trees. The different varieties are used very extensively, on account of their rapid growth.

	Each.
<b>Alba.</b> Very rapid grower, flourishes everywhere....	\$0 50
<b>Balsamifera.</b> A native species with large glossy foliage.....	50
<b>Carolina.</b> Pyramidal in form and rapid in growth.	50

**PRUNUS (PLUM AND CHERRY).**

A very handsome section of flowering trees and shrubs. They rank among the finest for small grounds, and are very effective planted in borders.

	Each.
<b>Padus.</b> Of rapid growth producing long bunches of pure white flowers.....	\$0 50
<b>Pissardii.</b> One of the finest red foliage trees in cultivation.....	50

**PYRUS (CRAB AND MOUNTAIN ASH).**

Special attention should be given the double flowering crabs. Their beauty and value seem to have been overlooked and are therefore not appreciated.

	Each.
<b>Malus Halleana.</b> Dwarf, compact grower, flowers, double dark rose.....	\$1 00
“ <b>spectabilis fl. albo pleno.</b> Double, white, fragrant flowers.....	50
“ “ <b>roseo.</b> The finest variety, flowers rose, double. ....	50

**QUERCUS (OAK).**

One of our most picturesque trees. The species and varieties are numerous, and the majority are adapted to ornament large grounds where they have plenty of room.

	Each.
<b>Alba.</b> One of the finest American trees .....	\$0 50
<b>Coccinea.</b> A native tree of rapid growth, pyramidal outline .....	1 00
<b>Macrocarpa.</b> The largest and most beautiful leaved sort .....	75
<b>Palustris.</b> Assuming a drooping form when it acquires age .....	1 00
<b>Phellos.</b> Compact grower, small, willow-like leaves.	1 50
<b>Robur.</b> The Royal Oak of England .....	75

### ROBINIA (LOCUST OR ACACIA).

An elegant genus of deciduous hardy trees and shrubs, producing beautiful racemes of lovely flowers resembling the Wistaria.

	Each.
<b>Bessoniana.</b> Strong grower, without thorns .....	\$1 00
<b>Decaisneana.</b> A fine sort, with delicate pink flowers.	1 00
<b>Hispida rosea.</b> Beautiful rose colored flowers, dwarf.	1 00
<b>Semperflorens.</b> A beautiful variety .....	1 00

### SALIX (WILLOW).

This is a most useful and ornamental class of trees of rapid growth and hardy, adapted to a great variety of soils and easily transplanted. They can be used by planters to great advantage.

	Each.
<b>Babylonica.</b> Our common and well-known weeping willow .....	\$0 50
<b>Caprea pendula.</b> Vigorous, one of the best .....	50
<b>Laurifolia.</b> Ornamental, with large, shining leaves.	50
<b>Pendula tricolor.</b> Distinct tri-colored foliage .....	75
“ <b>nigra.</b> A dark form of the drooping variety .....	50

### SOPHORA.

A beautiful tree of medium size and moderate growth. They are especially adapted for small grounds.

	Each.
<b>Japonica.</b> A beautiful variety, white flowers....	\$1 00

### SORBUS (MOUNTAIN ASH).

A beautiful genus with elegant foliage. It produces large clusters of red berries, which give it an attractive appearance wherever planted.

	Each.
<b>Pendula.</b> The weeping mountain ash .....	\$2 00
<b>Nana.</b> A very dwarf variety .....	1 00

### TILIA (LINDEN OR LIME TREE).

The lindens are all beautiful and merit more notice than they receive. When planted alone, they make graceful trees with a perfect outline.

	Each.
<b>Americana.</b> Large leaved, vigorous grower .....	\$0 50
<b>Argentea.</b> One of the finest ornamental trees .....	1 00
<b>Europæa.</b> Large leaves and fragrant flowers .....	50
“ <b>laciniata.</b> Medium sized, fine habit .....	1 00

### ULMUS (ELM).

One of the finest trees for street, lawn and park plant. It is too well known to describe.

	Each.
<b>Montana Camperdown pendula.</b> One of the most picturesque drooping trees .....	\$1 50

Special prices will be cheerfully given for large quantity or kinds not in this catalogue.

## ORNAMENTAL SHRUBS.

Under this heading I have only listed the very best varieties of the different species, so that purchasers will have no difficulty in securing the finest grade of this class of plants.

I have a number of other varieties not listed, and can furnish same in any quantity.

## DECIDUOUS SHRUBS.

### ARALIA (ANGELICA TREE).

A beautiful class of small trees or shrubs, useful to give a tropical appearance to gardens,

**Spinosa.** A magnificent variety with large leaves. Each. \$0 75

### AZALEA.

A grand family of shrubby plants. Taken all in all, it is one of the most popular flowering shrubs.

**Mollis.** A beautiful plant with rich, colored flowers. Each. \$1 50

### BERBERIS (BARBERRY).

A most interesting family of shrubs. Rich in variety of leaf, flower and habit. Very ornamental in autumn and winter.

**Fortunei.** Of dwarf habit; small, green foliage. Each. \$0 50  
**Thunbergii.** Beautiful red foliage in autumn. 50

### CALYCANTHUS (SWEET-SCENTED SHRUB).

This is one of the most desirable shrubs. The foliage is rich, flowers of a rare chocolate color, having a peculiar, agreeable odor.

**Floridus.** A native species, flowers very fragrant. Each. \$0 35

### CLETHRA (SWEET PEPPER BUSH).

A very beautiful class of compact growing shrubs, producing beautiful spikes of flowers.

**Alnifolia.** Pure white, fragrant flowers. Each. \$0 50

### COLUTEA (BLADDER SENNA).

A large shrub, with small, delicate foliage, producing yellow flowers in June, followed by reddish pods or bladders.

**Arborescens.** A native of south Europe. Each. \$0 35  
**Altageana.** Very vigorous, a beautiful sort. 75

### CORNUS (DOGWOOD).

Valuable shrubs when planted singly, in groups, or in masses, some distinguished by their elegantly variegated foliage, others by their bright colored bark.

**Mascula.** Produces clusters of bright, yellow flowers. Each. \$0 35  
**Paniculata.** Smooth, ash-colored bark. 35

		Each.
<b>Sanguinea.</b>	Bark blood red in winter .....	\$0 35
<b>Spaethii.</b>	One of the finest of recently introduced shrubs.....	75
<b>Stolonifera.</b>	A native species, with smooth, slender branches .....	35

### COTONEASTER.

A very handsome lawn shrub with evergreen foliage.

		Each.
<b>Microphylla.</b>	A vigorous growing variety.....	\$0 50
<b>Nummularia.</b>	A very beautiful tree for the lawn....	50

### CYDONIA (QUINCE).

The following varieties of the Japan quince rank among our choicest shrubs. Although of straggling growth, they bear the knife well, and with proper pruning may be grown in any form.

		Each.
<b>Japonica.</b>	One of the best hardy shrubs.....	\$0 35
“	<b>atrosanguinea, fl. pl.</b> Semi-double scarlet flowers.....	35
“	<b>Maulei.</b> Beautiful orange colored flowers	50
“	<b>semi-alba pleno.</b> Flowers nearly white, semi-double.....	35

### DAPHNE.

This elegant shrub is one of the first to flower in the spring. This, combined with its delightful fragrance, makes it a general favorite.

		Each.
<b>Mezereum.</b>	Flowers bright pink, very fragrant....	\$0 50
“	<b>alba.</b> A white variety, resembling the above.....	50

### DEUTZIA.

This valuable genus is native of Japan. Their hardihood, fine habit, luxuriant foliage, and profusion of attractive flowers render them the most beautiful and popular shrubs.

		Each.
<b>Crenata fl. pleno.</b>	Flowers double, white, tinged with rose .....	\$0 35
“	<b>“ alba pleno.</b> Flowers pure white.....	35
“	<b>Pride of Rochester.</b> Vigorous, very large, double white flowers.....	35
<b>Gracilis.</b>	The first of the family to flower.....	35

### EXOCHORDA.

A fine shrub, producing its large, white flowers in May. Difficult to propagate and always scarce. One of the finest shrubs of its season.

		Each.
<b>Grandiflora.</b>	Flowers large and white.....	\$1 00

### FORSYTHIA (GOLDEN BELL).

These are pretty shrubs of medium size. The flowers are drooping, yellow, and appear very early in the spring, before the leaves.

		Each.
<b>Fortunei.</b>	Upright growth, bright yellow flowers..	\$0 35
<b>Intermedia.</b>	A very hardy variety, yellow flowered.	35
<b>Suspensa.</b>	A drooping form of Fortunei.....	35
<b>Viridissima.</b>	Leaves and bark deep green.....	35



**HALESIA (SILVER BELL).**

A beautiful, large shrub, with pretty, white, bell-shaped flowers in May. It is a very desirable shrub.

**Tetraptera.** Distinguished by its four-winged fruit. Each. \$1 00

**HIBISCUS (ROSE OF SHARON).**

Very fine free growing, flowering shrubs of the easiest cultivation. Very desirable on account of blooming in August and September, when scarcely any other tree or shrub is in bloom.

In 12 best varieties..... Each. \$0 50

Including only the very best sorts, which I have selected, and will be sure to give satisfaction.

**HIPPOPHÆ.**

A hardy deciduous shrub. It is of easy culture in common garden soil, and is especially useful for growing near the sea coast.

**Salicifolia.** Graceful habit, bright yellow flowers.. Each. \$0 50

**HYDRANGEA.**

Without exception one of the grandest flowering shrubs. They are so well known that they need no introduction.

**Japonica Hortensia.** Rose colored flowers..... Each. \$0 35  
 “ **Otaksa.** Produces immense trusses of flowers..... 50  
 “ **Thomas Hogg.** Flowers pure white..... 35  
**Paniculata grandiflora.** One of the finest hardy shrubs 50  
**Quercifolia,** The oak-leaved type, rare..... 50

**HYPERICUM (ST. JOHN'S WORT).**

A very beautiful dwarf shrub. Flowering from July to October, when few trees or shrubs are in flower, makes it very desirable. Flowers very large golden yellow.

**Moserianum (new).** The finest form of this family... Each. \$0 50

**KERRIA.**

A beautiful green branched shrub, suitable for small grounds, and making a very handsome shrubby plant.

**Japonica.** Flowers yellow, vigorous grower..... Each. \$0 35  
 “ **flore pleno.** Of medium size, double yellow flowers..... 35  
 “ **argentea variegata.** Dwarf sort, green foliage edged with white..... 50

**LIGURSTUM (PRIVET).**

The Privet, in all its varieties, is a very ornamental plant. It is almost an evergreen, and grows freely in all soils. An excellent hedge plant.

**Laurifolium.** Very large leaves, fine..... Each. \$0 25  
**Vulgare buxifolium.** Very erect habit, one of the best. 25  
**lbotum.** The best variety of this family, evergreen. 35

**PAVIA.**

A beautiful spreading shrub, producing numerous large, showy spikes of white flowers late in June.

**Macrostachya.** A fine shrub for the lawn ..... Each \$1 00

**PÆONIA (FREE PÆONY).**

This is a magnificent plant. The beautiful flowers, ranging in all the shades from pure white to the darkest red, make it a popular favorite.

**Moutan.** The Tree Pæonia, soft pink color ..... Each \$0 75  
**Elizabeth.** Flowers rich, deep pink ..... 1 50

**PHILADELPHUS (MOCK ORANGE).**

An invaluable shrub. Of vigorous habit, very hardy, with large, handsome foliage and beautiful white flowers, produced in the greatest profusion at the blossoming season.

**Coronarius.** Pure white, highly scented flowers. .... Each \$0 35  
 " **fl. pleno.** Partially double fragrant flowers ..... 35  
**Gordonianus.** A vigorous grower and profuse bloomer ..... 35  
**Grandiflorus.** Has very showy, large flowers. .... 35  
**Microphyllus.** Dwarf habit and slender growth. .... 75

**PRUNUS (PLUM).**

Under this heading are embraced some of the most charming early spring flowering shrubs. At the flowering season each tree appears like an immense bouquet.

**Pissardi.** One of the finest foliage plants, rich, dark purple. .... Each \$0 50  
**Triloba.** Flowers double, of a delicate pink, very early. .... 50

**PTELEA (HOP TREE).**

A large shrub or small tree, of rapid growth and robust habit; a very desirable plant.

**Trifoliata.** Flowers in June, followed by showy fruit. .... Each \$0 50

**RHUS (SUMACH).**

An interesting and very beautiful shrub, excellent for planting in borders, or where a tropical effect is wanted.

**Cotinus.** Producing curious fringe or hair-like flowers. .... Each \$0 50  
**Glabra laciniata.** A very striking plant of moderate size. .... 75  
**Sanguinea.** A very beautiful and vigorous variety. 1 00

**RUBUS (BRAMBLE).**

These are rather coarse-looking shrubs, but can often be employed to great advantage, especially in the wild garden, to produce certain effects.

**Fl. pleno albo.** Double white, flowering sort. .... Each \$0 35  
 " **rosea.** Flowers a beautiful rose color. .... 35  
 " **lacineata.** A most elegant variety. .... 35

**SAMBUCUS (ELDER).**

These are showy, large shrubs, quite ornamental in flower, fruit and foliage. The plants should be kept in good shape by the constant use of the pruning knife.

	Each.
<b>Nigra aurea.</b> Has golden-yellow foliage .....	\$o 50
“ <b>laciniata.</b> Leaves elegantly divided .....	50
“ <b>variegata.</b> Vigorous foliage, mottled with yellow and white .....	35
<b>Racemosa plumosa.</b> Leaves beautifully cut and drooping .....	75

**SPIRÆA (MEADOW-SWEET).**

The Spiræas are all elegant, low shrubs of the easiest culture, and their blooming extends over a period of three months.

	Each.
<b>Ariæfolia.</b> Habit, dense and bushy .....	\$o 50
<b>Billardi.</b> Rose-colored, blooms nearly all summer..	35
<b>Biumei.</b> Deep rose-colored flowers .....	35
<b>Callosa.</b> Grows freely, and flowers nearly all summer .....	35
“ <b>alba.</b> White flowering, dwarf and bushy...	35
“ <b>superba.</b> Of dwarf habit, greenish-white flowers .....	35
<b>Douglasi.</b> Flowers, beautiful, deep rose color.....	35
<b>Fontenaysii.</b> Vigorous and free bloomer .....	35
<b>Opulifolia aurea.</b> Golden tinted, yellow foliage .....	35
<b>Prunifolia fl. pleno.</b> Flowers like white daisies.....	35
<b>Thunbergii.</b> Dwarf habit, and rounded, graceful form .....	35
<b>Van Houttei.</b> The finest of all sorts .....	35
<b>Reevesii.</b> A very fine variety, vigorous.....	35
“ <b>fl. pl.</b> A double flowering variety of the above .....	35
<b>In 20 Varieties.</b> The very best only, my selection..	35

**STAPHYLEA (BLADDER NUT).**

One of the earliest flowering shrubs, flowers very fragrant. It is a desirable shrub for small grounds.

	Each.
<b>Colchica.</b> Fragrant, white flowers .....	\$o 50

**SYMPHORICARPUS (SNOWBERRY).**

A well known shrub, producing beautiful small flowers during summer; after flowering they are covered with berries, which hang on nearly all winter.

	Each.
<b>Vulgaris variegatus.</b> A pretty variety with variegated leaves .....	\$o 35

**SYRINGA (LILAC).**

Well known beautiful shrubs, indispensable in every collection. They are so well known that they need no introduction.

	Each.
<b>Josikæa.</b> Vigorous grower, purple flowers .....	\$o 35
<b>Persica.</b> Bright, purple flowers .....	50
“ <b>alba.</b> Delicate, white, fragrant flowers...	1 00
<b>Vulgaris.</b> Bluish purple flowers .....	35
“ <b>alba.</b> Cream colored flowers .....	50
“ <b>Chas. X.</b> Reddish purple flowers .....	50
“ <b>Rouge de Marley.</b> A reddish flowered sort..	50

**TAMARIX.**

These are very beautiful shrubs, with small leaves like the Juniper, and delicate, small flowers in spikes.

	Each.
<b>Japanica</b> An extra fine variety for seashores.....	\$o 35
<b>Germanica.</b> Extra strong and robust.....	35

**VIBURNUM (ARROWROOT).**

A very popular shrub, generally known as the snow-ball. Indispensable for shrubbery planting or singly on the lawn.

	Each.
<b>Opulus.</b> Ornamental and useful.....	\$o 35
“ <b>sterilis.</b> Having clusters of pure white flowers.....	35
<b>Plicatum.</b> A very handsome species, white flowers.	75
<b>Tomentosum.</b> A beautiful hardy sort.....	75

**WEIGELIA.**

Valuable shrub of erect habit while young, but grows spreading and drooping with age. Flowers trumpet-shaped and all shades of color from white to red.

	Each.
<b>Amabilis.</b> Attractive, light pink flowers.....	\$o 50
<b>Candida.</b> Flowers pure white, strong grower.....	50
<b>Levallei.</b> Continues in bloom a long time.....	75
<b>Nana variegata.</b> Leaves variegated, very fine.....	75
“ <b>rosea.</b> One of the best and most popular.....	50

**EVERGREEN SHRUBS.**

Fine class of plants for lawn or park decoration. The ones listed below I can highly recommend, as they have been all tested and proved satisfactory.

**ANDROMEDA.**

One of the finest evergreen shrubs, excellent for planting in masses or for small grounds.

	Each.
<b>Catesbæi.</b> Foliage, beautiful crimson, during winter.....	\$o 75
<b>Japanica.</b> Flowers in terminal spikes.....	1 00

**AZALEA.**

Dwarf, bushy shrub, covered entirely in spring with masses of flowers, one of the most valuable of evergreen shrubs.

	Each.
<b>Amœna.</b> Small flowers, purplish red, early.....	\$1 00

**BAMBUSA (BAMBOO).**

A very desirable shrub for shady or moist situations, producing wreaths of dark green foliage

	Each.
<b>Matake.</b> A graceful evergreen, broad leaves....	\$o 35
<b>Nigra.</b> Smaller foliage than the above.....	50

**BUXUS (BOX).**

Beautiful lawn shrubs or small trees well adapted for small places. Can be trained in any shape by shearing. Best results will be obtained if planted in a sheltered position.

	Each.
<b>Sempervirens.</b> Handsome shrub, deep green foliage.....	\$o 35
“ <b>argentea</b> (Silver-Striped-leaved Box)...	35
“ <b>aurea</b> (Gold-Striped-leaved Box).....	35



**KALMIA (CALICO BUSH).**

Resembling the Rhododendron in habit and producing beautiful trusses of flowers in great profusion, which makes this a very desirable shrub.

**Latifolia.** Flowers pinkish white, borne profusely. . . . . Each. \$0 75

**MAHONIA (ASHBERRY).**

A very ornamental shrub, with large, prickly green leaves, turning deep purple in winter. A desirable plant for small grounds.

**Aquifolia.** Pretty yellow flowers in spring. . . . . Each. \$0 35  
**Fascicularis.** A finer leaved form. . . . . 50

**OSMANTHUS.**

A very handsome evergreen shrub, varying considerably in the size and toothing of the leaves.

**Illicifolius.** Small leaves; resembles the Holly. . . . \$0 50

**RHODODENDRON.**

Without doubt the finest flowering evergreen shrub. The flowers are borne in magnificent trusses at the extremity of the branches, and are all shades of color, from white to crimson. They may be planted effectively in groups or singly. I grow only such varieties as I have found to be perfectly hardy, and can furnish fine plants, well budded, from \$2.00 to \$5.00 apiece, according to size.

**RUSCUS.**

Very ornamental, dense, upright growing shrubs, with thick, prickly leaves and small flowers; very effective when planted in masses.

**Aculeatus.** Produces red berries, very beautiful. . . \$0 35  
**Racemosus** (Alexandrian Laurel. Handsome. . . . . 50

**CLIMBING AND TRAILING SHRUBS.**

A most useful class of plants for covering trellises, walls, verandas or anything that wants to be hidden.

**ACTINIDIA.**

A climbing plant from Japan, very floriferous, sometimes covering the whole vine with beautiful flowers.

**Polygama.** Flowers pure white, purple centre. . . . . Each. \$0 50

**AMPELOPSIS.**

A grand plant for covering walls or trunks of trees, grows rapidly and is perfectly hardy.

**Quinquefolia** (Virginian creeper). Beautiful crimson in fall. . . . . Each. \$0 25  
**Veitchii** (Boston Ivy). Clings like an Ivy. . . . . 25

**(ARISTOLOCHIA BIRTHWORT.)**

Beautiful creepers or climbers, well adapted for covering trellises, fences, etc. The large heart-shaped green leaves give them a very pleasing effect.

**Sipho** (Dutchman's Pipe). Flowers in May. . . . . Each. \$0 75  
**Sempervirens.** Prostrate, evergreen variety. . . . . 60

**BIGNONIA (TRUMPET VINE).**

A very desirous, rapid growing deciduous climber with trumpet shaped flowers. Very hardy and free bloomer.

Each.

**Grandiflora.** Large red trumpets.....\$0 35

**CELASTRUS (STAFF TREE).**

A native climbing or twining plant, with fine large leaves, yellow flowers, and clusters of fruit.

Each.

**Scandens.** Easily grown, very handsome.....\$0 35

**CISSUS.**

A small leaved, variegated climber, with grape like foliage. An exceedingly pretty plant.

Each.

**Variegata.** Beautiful variegated foliage.....\$0 35

**CLEMATIS (VIRGIN'S BOWER).**

As a climber for covering rockwork, verandas, fences, and walls, it has no rival. The finest show of flowers is obtained where it has partial shade, and a liberal supply of water at the roots.

Each.

**Jackmannii.** Best varieties only. Very fine.....\$0 50

“ Best red variety..... 50

“ **Duchess of Edinburgh.** Light, double... 50

**Paniculata.** Profusion of white flowers..... 50

**Virginiana.** Flowers freely, rapid grower..... 35

**HEDERA (IVY).**

The ivies are evergreens, and frequently suffer from exposure to the sun in winter. For this reason the north side of a wall or building is the best situation.

Each.

**Canariensis** (Irish Ivy). The well known old sort...\$0 25

Twenty other varieties..... 25

**LONICERA (HONEYSUCKLE).**

Well known climbers of great beauty. The fragrant flowers are produced in great profusion. One of the most popular vines on account of its quick growth.

Each.

**Belgica.** Blooms all summer, very fragrant..... \$0 35

**Brachypoda aureo reticulata.** Yellow foliage..... 35

**Flava.** Yellow trumpet flowers..... 35

**Halleana.** Almost evergreen, fragrant flowers..... 35

**Japonica.** Very sweet, a well known vine..... 35

**Sempervirens.** Red trumpet flowers..... 35

**PERIPLOCA (SILK VINE).**

A rapid growing, beautiful climber, will climb around a tree or other support to a great height; glossy foliage.

Each.

**Græca.** Purple brown clusters of flowers.....\$0 35

**WISTARIA.**

Grows very rapidly, and the blooms, which are borne in great profusion, hang in graceful pendulous clusters.

Each.

**Frutescens.** Flowers pale blue, in short clusters...\$0 50

**Sinensis.** An elegant variety, very floriferous.... 50

“ **alba.** Flowers pure white, very fine..... 1 00

## CONIFERS.

In looking over this list you will find that I have carefully selected the most beautiful and hardy varieties of these trees.

I can supply, in any quantity, a great many more varieties not listed.

### ABIES, SPRUCE, FIR AND HEMLOCK.

A grand family of evergreen trees. For lawn or park decoration they are indispensable. They are of regular outline and very hardy, succeeding well in most any situation.

	Each.
<b>Alba</b> (White Spruce). Foliage silvery gray, light colored bark.....	\$0 50
<b>Balsamea</b> (Balsam Fir). Fine, erect, deep green tree.	50
<b>Canadensis</b> (Hemlock Spruce). A fine lawn tree, makes beautiful hedges.....	50
<b>Douglasii</b> . Large conical form branches spreading.	1 50
<b>Excelsa</b> (Norway Spruce). Extremely hardy, of rapid growth.....	50
<b>Lassiocarpa</b> . Rare tree, with glaucous blue foliage	
<b>Nordmanniana</b> . Vigorous growth, massive, dark green foliage.....	1 00
<b>Pectinata</b> . Broad, silvery foliage, spreading branches.....	1 00
<b>Pinsapo</b> . Fine, rare tree for specimens.....	1 00

### BIOTA.

This class comprises some of the most ornamental of evergreens. They are regular of outline and dense habit, and succeed best when planted in a sheltered position.

	Each.
<b>Aurea</b> . Nearly spherical in outline, yellow tinged foliage.....	\$0 50
<b>Semperaurea</b> . Retaining its golden tint all year...	50
<b>Japonica filiformes structa</b> . Fine, bushy shrub.....	50

### JUNIPERUS (JUNIPER).

A grand variety of evergreen trees and shrubs, handsome foliage and generally of compact, upright growth. A grand plant for small grounds, dry, or rocky places.

	Each.
<b>Communis vulgaris</b> . A handsome, compact, small tree,	\$0 50
“ <b>Hibernica</b> . Resembles a pillar of green...	75
<b>Prostrata</b> . A trailing species, foliage delicate, dark green.....	1 50
<b>Sabina</b> . Dwarf and spreading, thrives in the poorest soils.....	50
Several other varieties..... 50c. to \$1.00 each.	

### LARIX (LARCH).

A fine species of trees. As single specimens upon the lawn they exhibit an array of valuable and attractive features not found in many species.

	Each.
<b>Europæa</b> . An elegant growing pyramidal tree....	\$0 50

### PINUS.

A grand family of evergreen trees; some varieties are of moderate growth, while others grow to immense

proportions. They make fine specimens when planted singly in parks or lawns, and succeed well in the poorest soils.

	Each.
<b>Austriaca.</b> Remarkably robust, hardy and spreading	\$0 50
<b>Mugho.</b> A small, growing, upright pine.....	1 00
<b>Sylvestris</b> (Scotch Pine or Fir). Very hardy, fine for shelter.....	50
<b>Strobus.</b> The most ornamental of all our native pines.....	50

### SALISBURIA (MAIDEN HAIR TREE).

A remarkable tree from Japan, combining in its habit characteristics of the conifer, a deciduous tree. It is of medium size and rapid growth.

	Each.
<b>Adiantifolia.</b> Rare, with elegant beautiful fern-like foliage .....	\$1 00

### RETINISPORA (JAPANESE CYPRESS).

A beautiful and valuable species from Japan. They are dwarf, compact and bushy growers, and on that account useful for evergreen bedding or hedging.

	Each.
<b>Plumosa.</b> Very dwarf, with dense slender feathery branchlets.....	\$0 50
“ <b>aurea.</b> Beautiful gold-tipped foliage.....	50

### TAXUS (YEW).

An ornamental variety of evergreens of compact, upright growth. They are fine for lawns or parks, but should be planted in some sheltered position.

	Each.
<b>Baccata</b> (English Yew). Densely branched, can be trimmed into any shape.....	\$1 00
<b>Pyramidalis.</b> Fine upright growing, hardy form..	1 00

### TAXODIUM (DECIDUOUS CYRESS).

A most beautiful and stately tree, with small feathery light green foliage.

	Each.
<b>Distichum.</b> A beautiful tree for the lawn.....	\$0 50

### THUIOPSIS.

A fine dark green hardy tree, from the Northwestern Territories, of moderate growth, a fine tree for small grounds.

	Each.
<b>Borealis.</b> Dwarf, compact growth, very fine.....	\$1 00

### THUJA (WESTERN ARBOR VITÆ).

A grand genus of evergreen trees, very hardy. They are attractive when planted alone in groups or as hedges.

	Each.
<b>Occidentalis.</b> Extensively used for hedges..	25 to \$0 50
<b>Orientalis elegantissima.</b> Golden in summer, red in winter.....	\$2 50

LARGER SPECIMENS OF ANY CONIFERS ON APPLICATION.



## FRUITS.

I have taken great care in selecting the varieties in this list, offering only such varieties as I know to be the very best, fine in quality, and prolific. Also, plants that will stand the extreme changes in temperature which we have in this climate.

### APPLES.

The list below contains only such varieties as have been thoroughly tested, and which possess real merit. They do well planted on any good ground, and with little care give very satisfactory results.

	Each.	Doz.
<b>Baldwin.</b> Winter variety, large red.....	\$0 50	\$4 00
<b>Fall Pippin.</b> Very large, rich yellow.....	25	2 50
<b>Fallawater.</b> Large and juicy.....	25	2 50
<b>Gravenstein.</b> Pale yellow, striped with red.	25	2 50
<b>Golden Russet.</b> Fine flavored, late.....	25	2 50
<b>Maiden's Blush.</b> Large yellow, blush cheek.	25	2 50
<b>Monmouth Pippin.</b> Good keeper, juicy, late.	25	2 50
<b>Newtown Pippin.</b> American apple, late...	50	4 00
<b>Northern Spy.</b> Large, good keeper, late...	25	2 50
<b>Red Astrachan.</b> Large, red, crisp.....	25	2 50
<b>Rhode Island Greening.</b> Light green.....	25	2 50
<b>Sweet Bough.</b> Fine early variety.....	25	2 50
<b>Transcendent.</b> The finest Crab.....	25	2 50

### PEARS.

Pears can be grown in almost any good soil, with little care. They generally give very satisfactory results.

	Each.	Doz.
<b>Bartlett.</b> Fine and juicy, summer variety.	\$0 50	\$4 00
<b>Beurre de Anjou.</b> Large and fine.....	50	4 00
“ <b>Clairgeau.</b> Fine summer.....	50	4 00
<b>Clapp's Favorite.</b> Pale yellow, early sort..	50	4 00
<b>Flemish Beauty.</b> Very productive, extra...	50	4 00
<b>Kieffer.</b> Large yellow, with russet dots..	50	4 00
<b>Seckel.</b> High flavored, rich and juicy, late.	50	4 00
<b>Wilder.</b> Good, vigorous kind.....	50	4 00

### CHERRIES.

The best results will be obtained by planting on moderately rich, light loam or sandy soil.

	Each.	Doz.
<b>Black Tartarian.</b> Purplish black, one of the finest.....	\$0 50	\$4 00
<b>Montmorency.</b> Large and late, very productive.....	50	4 00
<b>Napoleon.</b> Large white, with red cheek, excellent flavor.....	50	4 00
<b>Windsor.</b> Fine and productive.....	50	4 00

### APRICOTS.

Plant on a northern exposure, so that the buds may not start so early as to be injured by late frost. Prune moderately every spring. Heavy soil is preferable.

	Each.	Doz.
All the best varieties.....	\$0 35	\$3 00

### NECTARINES.

A smooth-skinned fruit, resembling the peach. Plant in light soil, and prune the young growths thoroughly every year.

	Each.	Doz.
All the best varieties.....	\$0 35	\$3 00

## QUINCES.

They require a deep, rich soil. Should be manured with thoroughly rotted manure. A little coarse salt or lime sprinkled around the trees is beneficial in keeping away insects.

	Each.	Doz.
<b>Apple or Orange.</b> Large, yellow, productive.....	\$0 50	\$4 00
<b>Champion.</b> Pear-shaped, late, keeper.....	50	4 00

## PLUMS.

They do best planted in a rich, heavy loam, well drained. Care must be taken, as the fruit forms, to keep from the attacks of the curculio.

	Each.	Doz.
<b>Bradshaw.</b> A fine sort.....	\$0 50	\$4 00
<b>Burbank.</b> Extra juicy.....	50	4 00
<b>Coe's Golden Drop.</b> Large yellow, late....	50	4 00
<b>Imperial Gage.</b> Pale green, juicy and rich.	50	4 00
<b>Yellow Gage.</b> Excellent for preserving....	50	4 00

## PEACHES.

Plant in light, rich soil. The ground should be kept free from grass or weeds. An occasional top dressing of wood ashes or slaked lime will be advantageous.

	Each.	Doz.
<b>Alexander.</b> Large, early and fine flavored.	\$0 25	\$2 50
<b>Crawford's Early.</b> Fine yellow fleshed sort.	25	2 50
“ <b>Late.</b> One of the best varieties.	25	2 50
<b>Early York.</b> The best of its season, large.	25	2 50
<b>Morris' White.</b> A heavy and regular bearer.	25	2 50
<b>Mountain Rose.</b> One of the best early....	25	2 50
<b>Stump the World.</b> Large and productive....	25	2 50

## GRAPES.

Grapes will flourish and bear abundantly in almost any good, dry soil, especially if the vines are trained on trellises.

	Each.	Doz.
<b>Agawam.</b> Large, red, pleasant flavor.....	\$0 25	\$2 50
<b>Brighton.</b> Vigorous and hardy, very rich.	25	2 50
<b>Catawba.</b> Late keeper, musky flavor.....	20	2 00
<b>Delaware.</b> Small, light red, juicy and sweet.	25	2 50
<b>Duchess.</b> Greenish white, compact bunch.	25	2 50
<b>Diana.</b> Pale red, fine late variety.....	25	2 50
<b>Iona.</b> Sweet, vigorous and productive...	20	2 00
<b>Lady.</b> Yellowish green, rich, sweet flavor.	25	2 50
<b>Moore's Diamond.</b> Early, greenish white..	50	4 00
<b>Moore's Early.</b> Best early, berry black....	30	3 00
<b>Niagara.</b> A hardy grower, greenish white.	25	2 50
<b>Pocklington.</b> Golden yellow, very large...	25	2 50
<b>Salem.</b> Large, reddish brown, very sweet.	25	2 50
<b>Wilder.</b> Bunch and berry large, black....	25	2 50
<b>Worden.</b> Hardy, fine flavor, black.....	25	2 50

## FOREIGN GRAPES.

For growing under glass, in hot or cold vineries. One-year-old plants, \$1.00 each. Strong two-year-old vines at \$2 50 to \$5 00.

<b>Alcante.</b> Black, very large bunch of fine quality, late.
<b>Barbarossa.</b> Very large and late, black.
<b>Black Frontignan.</b> Bunches long, flavor rich, black.
<b>Black Hamburg.</b> A general favorite, large bunches, black.
<b>Champion Hamburg.</b> Splendid, like Black Hamburg.

**Golden Chasselas.** A large, handsome white grape.  
**Golden Champion.** A superb white grape, berries large.  
**Golden Hamburg.** Bunches large, berries juicy and sweet.  
**Gros Colman.** Very vigorous, berries black and juicy.  
**Lady Downes.** One of the best late black grapes.  
**Muscat of Alexandria.** The finest white grape.  
**Red Chasselas.** A small, early, red grape, excellent.  
**Royal Muscadine.** One of the finest white sorts, sweet.  
**Syrian.** Bunches of immense size, good quality, white.  
**Trentham Black.** Very rich and juicy, prolific, black.  
**White Frontignan.** A white sort of fine quality.

### CURRENTS.

Plant in good soil and keep well worked and manured. There are very few fruits that will so thoroughly repay as this for good and proper treatment.

	Doz.	100.
<b>Black Naples.</b> Vigorous and productive....	\$1 00	\$5 00
<b>Cherry.</b> Deep red, fruit large and acid....	1 00	5 00
<b>Fay's Prolific.</b> Very prolific, extra large red..	2 50	15 00
<b>Red Dutch.</b> Large bunches, red berries....	1 00	5 00
<b>Versaillaise.</b> Berries large, bright crimson..	1 00	5 00
<b>White Grape.</b> The best white variety.....	1 00	5 00

### BLACKBERRIES.

Plant in good soil in rows five feet apart, and plants three or four feet apart in the row. Soon after fruiting season, or early spring, cut out all the dead wood. A good top dressing of stable manure applied annually will be conducive to large crops. Keep the ground well worked and clean.

	Doz.	100.
<b>Early Harvest.</b> One of the earliest varieties..	\$0 50	\$2 00
<b>Erie.</b> Hardy and of good quality.....	75	3 00
<b>Kittatinny.</b> Late, very productive, sweet..	50	2 00
<b>Snyder.</b> Medium sized berries, fine quality	50	2 00
<b>Wilson, Jr.</b> The largest and best variety..	50	2 00

### GOOSEBERRIES.

They do best planted in good, rich ground, kept well worked, and free from grass and weeds. Cut out the old wood as soon as it begins to decline, and shorten all the young shoots to keep the bushes in shape.

	Each.	Doz.
<b>Industry.</b> Free from mildew, very prolific..	\$0 25	\$2 50
<b>Smith's Imp.</b> Good, reliable variety.....	25	2 50

### RASPBERRIES.

Plant in rows about five feet apart and three feet between the plants. They like good, rich soil, with plenty of manure worked into it annually. Immediately after the fruiting season, or early in the spring, cut out the old wood which bore the last crop of fruit.

	Doz.	100.
<b>Brandywine.</b> Large bright red, hardy....	\$0 50	\$2 00
<b>Cuthbert.</b> Excellent variety, productive..	50	2 00
<b>Golden Queen.</b> A new yellow variety.....	75	3 00
<b>Gregg (Black Cap).</b> Productive, large fine.	50	2 00
<b>Marlboro.</b> Very hardy, vigorous.....	50	2 00
<b>Souhegan, or Tyler Cap.</b> Productive.....	50	2 00
<b>Turner.</b> Very productive, variety.....	50	2 00

### STRAWBERRIES.

Ready in August and September.  
 See Bulb Catalogue.

## MISCELLANEOUS FRUITS.

	Each.
Almond, Hardshell. Ornamental in bloom.....	\$0 50
Almonds, Soft Shell. Sweeter than the hard shell...	50
Chestnuts, American. The sweet native variety.....	50
Chestnuts, Japan Giant. Large and prolific, new.....	1 25
Chestnuts, Spanish. Large, but not as sweet.....	50
Filberts, Kentish Cob. Very productive.....	50
Filberts, White. Fine fruit and flavor.....	50
Figs. Best varieties.....	50
Mulberry, Downing's. Everbearing, large and rich...	50
Mulberry, White. Small, nearly white, rapid grower.	25
Walnuts, American Black.....	50
“ “ Butternut.....	50
“ English, or Madeira Nut.....	50
“ “ Dwarf. Prolific.....	1 00

I will be happy to quote special prices on large quantity of Fruit Trees and Vines, or on any variety not in the Catalogue.

Please Remember that

# W. A. MANDA,

FORMERLY OF

PITCHER & MANDA,

is no more directly or indirectly connected with the above firm that still uses his name, but is now independently separated, and *Sole Proprietor* of the

## Universal Horticultural Establishment,

SOUTH ORANGE, N. J.,

where please send all letters and orders intended for him. The *New Establishment* has all the advantages and improvements, and contains the choicest stock of everything pertaining to

## FLORICULTURE

that the life-long practical experience of the owner can make it. As to recommendations, it will suffice to glance over, in the first few pages of this book, the numberless complimentary notices by both horticultural and daily press, and the general reputation of the name in horticultural circles.



## HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES.

	Each.
Bamboo Stakes, 5 foot.....	\$2.00 per 100
Bellows, Powder, large.....	\$2 00
"    "    small.....	1 00
"    Vaporizer, large.....	2 25
Dibbles, all iron.....	50
Forks, Digging, 4 tines.....	85
"    "    5    "    .....	1 00
"    Manure, long and short handled.....	1 25
Fumigator, Excelsior, 8 quart size.....	3 75
"    "    16 quart size.....	6 25
Garden Line, finest braided, 100 feet.....	\$0 75
Garden Reel for above, iron, painted.....	1 00
Gloves, Gardener's, per pair.....	\$1 25
Grafting Wax.....	40c. per lb.
Garden Pencils, Indelible Black.....	10
Hoes, Draw or Field, 5 to 8 in.....	35c. to 50
"    Scuffie, Dutch or Push.....	65c. to 90
"    Grub.....	75c to 1 00
"    Prong.....	75
"    Triangular, or Tree Scraper.....	50c. to 75
Hooks, Grass or Sickle.....	35c to 60
Hose Menders.....	10
Knives, Asparagus.....	1 25
"    Grass or Edging.....	1 50
"    Budding.....	\$1 25 to 1 50
"    Pruning.....	\$1 00, \$1 25 to 1 50
Labels, Wooden—	Per 1,000
Pot or Garden, 4-inch, pointed.....	Plain. Painted.
"    "    5    "    "    .....	\$0 60 \$0 80
"    "    6    "    "    .....	80 1 00
"    "    8    "    "    .....	1 00 1 25
"    "    12    "    "    .....	Per 100—
"    "    8    "    "    .....	Plain. Painted.
"    "    12    "    "    .....	\$0 40 \$0 50
"    "    12    "    "    .....	50 70
"    "    8    "    "    .....	Per 1,000
"    "    12    "    "    .....	Plain. Painted.
"    "    12    "    "    .....	\$0 60 \$0 75
"    "    copper-wired, 3½ inches..	1 75 2 00
"    "    notched, 6    "    ..	1 25 1 75
Lawn Mower, New Model, 10-inch, net.....	Each.
"    "    "    "    12    "    "    .....	\$8 00
"    "    "    "    14    "    "    .....	9 25
"    "    "    "    16    "    "    .....	10 50
"    "    "    "    18    "    "    .....	11 50
"    "    "    "    20    "    "    .....	12 75
"    "    New Excelsior (Horse), 25-inch, net...	14 00
"    "    "    "    "    30    "    "    .....	45 00
"    "    "    "    "    35    "    "    .....	60 00
"    "    "    "    "    40    "    "    .....	75 00
"    "    "    "    "    40    "    "    .....	90 00
Mole Trap, Olmstead's Improved.....	1 50
"    "    Hale's.....	2 25
Rakes (Steel), Garden, 8 teeth.....	40
"    "    "    12    "    .....	50
"    "    "    14    "    .....	55
"    (Wooden), Hay, 12    "    .....	35
"    "    Lawn, 22    "    .....	40
"    Gem    "    for leaves.....	75
Raphia, for tying; per lb.....	20c., 12 lbs. 2 00
Scissors. Grape-Thinning.....	1 25
"    Bow Pruning.....	1 00
"    Flower Gatherers.....	1 50
Scythes. Lawn, 30 to 38 in.....	1 40

	Each.
Scythe Stones. English, Round Talacre .....	\$0 15
“ “ American .....	15
Shears. Pruning, Solid Steel, 7½ in. ....	1 50
“ “ “ 9½ in. ....	2 00
“ Grass Border .....	2 25
“ Pole Pruning .....	3 00
“ Sheep .....	1 25
Shovels. Ames', long and short handles .....	1 25
Spades. “ “ “ “ .....	1 25
Sprinklers. Lawn, 4-arm .....	4 00
“ “ 8-arm .....	5 50
“ Plant, rubber bulb, ½ pint .....	75
“ “ “ I “ .....	1 00
Syringe. Brass, No. 8 .....	2 50
“ “ “ 2 .....	3 75
“ “ “ 11 .....	5 50
Thermometer. Tin, japanned, 7 to 12 inch....	20c. to 40
“ “ Registering .....	3 50
“ “ Hotbed, 12-inch .....	2 50
Trowel. Solid steel, 6 inches .....	60
“ “ “ 7 “ .....	70
“ “ “ 8 “ .....	75

### FLOWER POTS, STANDARD MAKE.

	Each.	Per doz.	Per 100.	Per 1,000.
2 inch .....		\$0 09	\$0 55	\$4 50
3 “ .....		12	80	6 50
4 “ .....		25	1 45	11 50
5 “ .....		35	2 25	18 00
6 “ .....		55	3 75	30 00
7 “ .....	\$0 10	85	5 60	45 00
8 “ .....	15	1 25	7 80	
9 “ .....	20	2 00	13 75	
10 “ .....	25	2 35	15 95	
11 “ .....	30	3 25	21 85	
12 “ .....	40	3 75	25 00	
14 “ .....	50	5 80	38 75	

### SEED PANS.

	Each.	Per doz.
6 inches in diameter .....	\$0 15	\$1 50
8 “ “ “ .....	20	2 00
10 “ “ “ .....	25	2 50
12 “ “ “ .....	30	3 00

### MATERIALS FOR ORCHID CULTURE.

	Per bbl.
Fibrous Peat, picked, ready for use .....	\$4 50
“ “ as collected .....	2 75
Sphagnum Moss, picked .....	4 50
“ “ as collected .....	2 75

### NEW ROUND ORCHID CRIBS.

	Doz.
4 inch, made of best durable wood .....	\$1 65
5 “ “ “ “ “ .....	2 00
6 “ “ “ “ “ .....	2 25
7 “ “ “ “ “ .....	3 00
8 “ “ “ “ “ .....	3 50
10 “ “ “ “ “ .....	4 50
12 “ “ “ “ “ .....	5 00

### INSECTICIDES (INSECT DESTROYERS).

	Per lb.
Sulpho-Tobacco Soap .....	\$0 50
Fir-Tree Oil .....	per pint, 75c.
Persian Insect Powder .....	65

	Per lb.
Paris Green.....	\$0 35
Powdered White Hellebore.....	40
Slug-Shot.....	5 lbs. 35c.
Hammond's Grape dust for Mildew.....	5 lbs. 40c.
Carbolic Soap.....	65
Tobacco Soap.....	45
Gishurst's Compound, in boxes.....	50
Whale-Oil Soap.....	20
Tobacco Stems.....	per 100 lbs. \$2 00
Tobacco Dust.....	25 lbs. 1.50
Little's Antipest.....	½ gal. 1.50
Kill'm-Right.....	5 lbs. 1.20

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	Per 100 lbs.
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Ground Bone.....	3 25
Crushed Bone.....	3 25
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“ “ Compressed.....	3 00
“ “ Pure. See page 24, Novelty portion.	

### COLUMBIA FLOWER TUBS.

	Each.
12 inches diameter by 11 inches high.....	\$1 00
15 “ “ “ 14 “ “.....	1 50
18 “ “ “ 16½ “ “.....	2 00
21 “ “ “ 18½ “ “.....	2 50
24 “ “ “ 20½ “ “.....	3 00

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## Universal Horticultural Establishment,

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# THE GRAND FLOWER SHOW

HELD AT

The Grand Central Palace, New York,

November 18 to December 1, 1895.

Occupying the enormous space of 220,000 square feet, all the plants were from my establishment, and contained the finest and largest collection of plants ever exhibited.

The following are a few of the hundreds of similar compliments written by the New York daily press:

## THE FLOWER SHOW.

**The Successful Horticulturist who is in Charge of It.**

W. A. Manda, the horticulturist, who has charge of the flower show in the Grand Central Palace, which has proved so successful, is one of the best authorities on plants and flowers in this country. He is chiefly known as an author and originator of new and rare specimens by hybridization.

The majority of the plants and flowers on exhibition at the flower show are his own, and, in addition, he has delivered lectures daily on the care and growth of plants. Mr. Manda was born in Prague, Bohemia, in 1862, and came to this country when quite young. He had the exclusive charge of the first large flower show held in Madison Square Garden in 1890, and has been connected with nearly all the leading exhibitions given in this country during the past fifteen years.

## FLOWER SHOW OPENED.

**Magnificent Specimens Exhibited at Grand Central Palace.**

The Plant and Flower Show, under direction of W. A. Manda, of South Orange, N. J., opened yesterday at the Grand Central Palace, Forty-third Street and Lexington Avenue. The main hall of the Palace is a veritable bower of palms, ferns, and beautiful flowers. The most conspicuous object is the "Georgè Washington Palm," said to have been at one time in the possession of the first President.

## OPENING OF THE FLOWER SHOW.

**A Fine Display of Plants and Bloom at the Grand Central Palace.**

The Flower Show opened yesterday at Grand Central Palace, and the interior of that building from floor to roof was bedecked with multi-colored foliage. The main hall, filled with every variety of palm and fern, resembled an African jungle, while in the adjoining alcoves and under the galleries was nearly every kind of flower that the florist knows. At this season of the year the chrysanthemum naturally predominates, and many varieties of the flower are shown.

The most interesting single exhibit is a palm tree, not more than six feet high, which stands in the centre of the main hall, upon a pedestal, about which is wrapped an American flag. It is said that this specimen is more than 200 years old, and was at one time the property of George Washington, and later of Samuel J. Tilden. It is in fine condition for so venerable a plant, and looks as though it might be good for 200 years more.

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